CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 10	Harrold, S. D.	June 22
July 10	Farmville, Va.	July 6
July 10	Nevada, Ia.	July 6
July 10	West Allis, Wis.	July 6
July 11	New York, N. Y.	June 22
July 11	Benton, Wis.	June 22
July 11	Buffalo, N. Y.	June 22
	Adv. June 22 to July 6.	
July 12	Vero, Fla.	June 29
July 18	Gillett, Ark.	June 29
	Adv. June 29 and July 6.	
July 18	Wilmington, N. C.	June 29
	Adv. June 29 and July 6.	
July 18	Fayetteville, Tenn.	June 29
July 18	Raybrook, N. Y.	July 6
	Adv. July 6 .	
July 19	Saugerties, N. Y.	June 29
	Adv. June 29 and July 6.	
July 20	East Orange, N. J.	July 6
	Adv. June 29 and July 6.	

SEWERS

July 10	Eustis, Fla.	June 15
July 10	Lebanon, Tenn.	June 29
July 10	Hammond, Ind.	July 6
	Adv. July 6.	
July 10	West Allis, Wis.	July 6
July 10	Akron, O.	July 6
July 10	Sioux Falls, S. D.	July 6
July 11	Hartford, Conn.	July 6
July 12	Brooklyn, N. Y.	July 6
July 13	Thiells, N. Y.	June 22
July 17	Yankton, S. D.	July 6
July 17	Barnum, Minn.	June 29
July 18	Lake Forest, Ill.	June 15
July 18	Newark, N. J.	June 29
July 18	Nashville, Tenn.	July 6
	Adv. July 6.	
July 19	Camden, N. J.	June 22
July 24	Hackensack, N. J.	June 29
	Adv. June 29 and July 6.	

WASTE DISPOSAL

July 17	Wash., D. C.	July 6
	Adv. July 6.	
July 18	New Kensington, Pa.	June 29
July 25	Buffalo, N. Y.	June 22

BRIDGES

July 11	Williamsport, Pa.	June 15
July 11	Central Ferry (Penawawa P. O.), Wash.	June 15
July 14	Tennessee	June 22
	Adv. July 6.	
July 14	Long Island City, N. Y.	July 6
July 19	Alabama	June 29
July 20	Alabama	June 29
July 21	Cobleskill, N. Y.	July 6
	Adv. July 6.	
July 25	Alabama	July 6
July 25	North Carolina	July 6
Aug. 4	Seattle, Wash.	June 29
	Adv. June 29 and July 6.	
Oct. 31	Sydney, Australia	Jan. 12

EXCAVATION AND DREDGING

July 10	Austin, Minn.	June 29
July 25	Brooklyn, N. Y.	June 29
	Adv. June 29 and July 6.	

STREETS AND ROADS

July 10	Eustis, Fla.	June 15
July 10	Los Angeles, Cal.	June 22
July 10	Duluth, Minn.	June 22
July 10	Faribault, Minn.	June 22
July 10	Elk River, Minn.	June 29
July 10	California	June 29
July 10	Minnesota	July 6
July 10	Clairton, Pa.	July 6
July 10	Dayton, O.	July 6
July 10	Long Island City, N. Y.	July 6
July 10	Waseca, Minn.	July 6
July 11	New York, N. Y.	July 6
July 11	Sharon, Pa.	July 6
July 11	Phila., Pa.	July 6
July 11	West Virginia	June 22
July 11	Michigan	June 22
July 11	Newton, N. J.	June 29
	Adv. June 22 to July 6.	
July 11	New York	June 29
	Adv. June 29 and July 6.	
July 11	Quebec	June 29
July 11	Covington, Va.	June 29
	Adv. June 29 and July 6.	
July 11	Louisiana	June 29
July 11	Michigan	June 29
July 12	Michigan	June 22
July 12	Gonzales, Tex	June 22
July 12	Mays Landing, N. J.	June 29
	Adv. June 29 and July 6.	
July 12	Camden, N. J.	June 29
	Adv. June 29 and July 6.	
July 12	Michigan	June 29
July 12	Wash., D. C.	July 6
	Adv. July 6.	
July 12	Clarksville, Tex.	July 6
July 13	Somerville, N. J.	June 29
	Adv. June 29 and July 6.	
July 13	Long Island City, N. Y.	July 6
July 13	Columbus, O.	July 6
July 14	Ohio	July 6
July 14	Idaho	July 6
July 14	Michigan	July 6
July 14	Belvidere, N. J.	June 22
	Adv. June 22 to July 6.	
July 14	Somerville, N. J.	June 29
	Adv. June 22 to July 6.	
July 14	Ann Arbor, Mich.	June 29
	Adv. June 29 and July 6.	
July 14	Tennessee	June 29
July 14	New Jersey	June 29
	Adv. June 29 and July 6.	
July 15	Lynbrook, N. Y.	July 6
	Adv. July 6.	
July 17	Guntersville, Ala.	July 6
July 17	California	June 29
July 17	Ohio	July 6
July 17	Richmond, Va.	July 6
	Adv. July 6.	
July 18	Michigan	July 6
July 18	Quincy, Fla.	June 22
July 18	Moundsville, W. Va.	June 29
July 18	South Carolina	June 29
July 19	Alabama	June 29
July 19	Michigan	June 29
July 19	Rhode Island	July 6
	Adv. July 6.	
July 19	Michigan	July 6
July 19	Columbus, O.	July 6
July 20	Edenton, N. C.	July 6
July 21	Portland, Me.	June 29
July 21	Belvidere, N. J.	July 6
	Adv. July 6.	
July 22	Palatka, Fla.	June 29
July 25	Syracuse, N. Y.	June 29
	Adv. June 29 and July 6.	
July 25	Alabama	July 6
July 25	North Carolina	July 6
Aug. 9	Ft. Myers, Fla.	July 6
Sept. 19	New Orleans, La.	July 6

INDUSTRIAL WORK

July 10	Ada, O.	July 6
July 10	Minneapolis, Minn.	July 6
July 11	Delavan, Wis.	July 6
July 14	New York, N. Y.	July 6
July 15	Winston-Salem, N. C.	June 22
July 18	Quincy, Fla.	June 22
July 28	Homestead, Fla.	June 29

BUILDINGS

July 10	Albany, N. Y.	June 8
July 10	Ft. Madison, Ia.	June 22
July 10	McKeesport, Pa.	June 22
July 10	Newark, N. J.	June 29
July 10	Janesville, Wis.	June 29
July 10	Schofield, Wis.	June 29
July 10	Plymouth, Mich.	June 29
July 10	Cleveland, O.	July 6
July 11	Montclair, N. J.	June 22
July 11	Ashland, Wis.	June 29
July 11	New York, N. Y.	July 6
July 12	Brooklyn, N. Y.	July 6
July 12	Saginaw, Mich.	July 6
July 12	Colorado Springs, Col.	June 22
July 12	Cleveland, O.	July 6
July 13	Dayton, O.	June 29
July 15	Hookerton, N. C.	June 29
July 15	Houghton, Mich.	June 29
July 15	Charlotte, N. C.	July 6
July 17	Urbana, Ill.	June 15
July 17	Rock Rapids, Ia.	June 22
July 17	Syracuse, N. Y.	June 29
July 17	Fargo, N. D.	June 29
July 18	Renfrew, Ont.	July 6
July 19	Rosewood, N. C.	July 6
July 20	New York, N. Y.	July 6
July 20	Lincoln, Neb.	July 6
July 30	Westwood, N. J.	June 22

FEDERAL GOVERNMENT WORK

July 7	Dredging—Baltimore, Md.	June 8
	Adv. June 8, 15, 29 and July 6.	
July 10	Post Office, etc.—Apalachicola, Fla.	June 15
July 10	Boiler House, etc.—Rantoul, Ill.	June 22
July 11	Post Office—Gilmer, Tex.	June 15
July 12	Extension to Workroom, etc. —Albert Lea, Minn.	June 29
July 14	Alterations—Lowell, Mass.	June 29
July 15	Refrigerating and Ice-Making Plant—Memphis, Tenn.	July 6
	Adv. July 6	
July 17	Metal Work — Louisville, Ky.	June 22
	Adv. June 22 to July 6.	
July 17	Rubble Mound — Ashtabula Harbor, O.	June 22
	Adv. June 22 to July 6.	
July 17	Conduit—Wash., D. C.	June 22
July 17	Steel Ladder, etc. — New Orleans, La.	June 22
	Adv. June 22 to July 6.	
July 18	Piling—Louisville, Ky.	June 22
	Adv. June 22 to July 6.	
July 18	Fire Alarm System—Tuskegee, Ala.	June 29
July 19	Steel Hull — Pittsburgh, Pa.	June 22
	Adv. June 22 to July 6.	
July 19	Cornice, etc. — Oswego, N. Y.	June 29
July 20	Mailing Shed — Sheboygan, Wis.	June 29
July 27	Breakwater Extension — Fairport, O.	July 6
	Adv. July 6.	
July 31	Steel Hull — Montgomery, Ala.	July 6
	Adv. July 6.	
Aug. 2	Dredges—Wash., D. C.	June 15
Aug. 2	Ordnance Buildings, etc.— Pearl Harbor, H. T.	June 15
Aug. 7	Dredging, etc. — New York, N. Y.	July 6
	Adv. July 6	

MISCELLANEOUS

July 8	Limestone—Montreal, Que.	July 6
July 10	Pier Building—Phila., Pa.	July 6
July 10	Turbines, etc. — Cohoes, N. Y.	June 29
	Adv. June 29 and July 6.	
July 11	Asphalt, Gravel, etc.—Phila., Pa.	July 6
July 11	Structural Steel—New York, N. Y.	July 6
July 11	Switchboard, etc.—Atlantic Highlands, N. J.	July 6
	Adv. July 6.	
July 12	Piping, etc. — Whitewater, Wis.	July 6
July 14	Borings—Long Island City, N. Y.	July 6
July 17	Heating, Ventilating, etc. — Urbana, Ill.	June 22
	Adv. June 22 to July 6.	
July 17	Stadium Addition — Madison, Wis.	July 6
July 18	Pier Sheds, etc.—Portland, Me.	June 22
	Adv. June 22 to July 6.	
July 18	Stone Crusher and Elevator —Preston, Minn.	July 6
July 19	Turbine and Accessories — New Orleans, La.	May 18
	Adv. May 18 to July 6.	
July 19	Engine-Generator Unit—Belhaven, N. C.	June 29
July 26	Wharf and Transit Shed Foundation—Tampa, Fla.	July 6
	Adv. July 6.	
Aug. 15	Hydro-electric Development—Dothan, Ala.	June 29
	Adv. June 22 to July 6.	

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Md., Williamsport—Voted $100,000 bonds for water system. Engineer not announced.

Mont., Harlem—Soon takes bids filtration plant and 8,000 ft. 6 in. c.i. mains. $45,000. C. P. Wells, 804 1st Natl. Bank Bldg., Great Falls, engr.

Waterworks (Continued)

Tex., Anson—Voted $80,000 to install and complete waterworks system. Address Mayor.

Tex, Clarksville—Voted $22,000 bond issue for waterworks improvements, $20,000 for additional street paving, and $3,000 for incinerator plant. P. Y. Creager, city engr. Noted June 8.

Tex., Dublin—Voted $25,000 bonds for waterworks. J. S. Daley, mayor.

Tex., McLean—July 18, to vote on $74,000 bonds for waterworks improvements, light and power plant and street improvements. Address Mayor.

Tex., Moran—Voted $35,000 bonds for waterworks improvements. Address Mayor. S. & R.

Okla., McAlester—Bd. Comrs. retained Benham Eng. Co., engrs., Gumbel Bldg., Kansas City, Mo., to prepare plans for Bull Creek water project, incl. dam. E. M. Fry, city mgr.

Utah, Ogden—W. S. Crane, city engr., soon takes bids installing 12, 18 and 20 in. Matheson joint or c.i. mains. $166,000.

Cal., Lakeport—Having plans prepared for water works system, including c. i. pipes, auxilary pumping plant, semi-diesel pumping engine, etc., $65,000; 3 small septic tanks incl. automatic pump and sewer laterials, $32,000. J. Felleman, Lakeport, engr.

BIDS DESIRED

N. Y., Raybrook—July 18, by Bd. Trustees State Hospital at office of State Engineer and Surveyor, Telephone Bldg., Albany, construction and installation of additions and alterations to water supply of New York State Hospital for Incipient Tuberculosis, here. J. Hurley, pres.; adv. this issue.

N. J., Atlantic Highlands — See "Miscellaneous."

N. J., East Orange—July 20, by Bd. Water Comrs., 438 Main St., developing supply of water of not less than 2,000,000 gal. per 24 hrs. from driven wells. N. S. Hill, Jr., and S. F. Ferguson, 112 East 19th St., New York, consult. engrs.; adv. this issue.

Va., Farmville—July 10, by J. A. Davis, mayor, concrete coagulating basin.

Wis., West Allis—July 10, by Bd. Pub. Wks., furnishing and laying mains in Lapham St. from 47th to 56th Aves. and 56th Ave. from Lapham to National Aves., incl. 3,332 ft. 16-24 in. c.i. pipe, 430 ½ ton 16-24 in. bell and spigot pipe, 40 ft. 6 in. c.i. pipe, gates, etc.; laying 16,235 ft. 6-8 in. water pipe in George St., 69th, 67th, 81st, 70th, 47th and Arthur Aves. W. Darby, City Hall, engr.

Ia., Nevada—July 10, rein.-con. storage reservoir, 200,000 gal. capacity, 376 lin.ft. 8-10 in. c.i. mains, 170 lin.ft. 8 in. sewer pipe, etc. $15,000. M. I. Evinger, 202 Davidson Bldg., Des Moines, engr.

CONTRACTS AWARDED

N. Y. Irondequoit — Helendale Water Dist., 704 Union Trust Bldg., Rochester, 30,000 ft. 6 and 8 in. mains, hydrants, valves, etc., here, to W. G. Fritz Co., West Orange, N. J., $48,760. Noted June 15.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, to M. DeStafano, 257 Glenn Ave., Tomkinsville, mains in Cary, Carter, Columbus Sts., etc., $15,061, in Barton, Bayview, Bedell, Bogardus, Centre, Eagan, etc., $49,892. Noted June 29.

N. J., Clinton—State Reformatory Bd., Trenton, artesian well and pump, State Reformatory for Women, here, to W. Stothoff, Flemington, $8,000.

N. J., New Lisbon—State Hospital Bd., Trenton, well, pump, pump house and tower, State Colony for Feeble Minded, here, to N. A. K. Bugbee Co., 206 East Hanover St., Trenton, $13,500.

Va., Ashland—Settling basin, two 80 gal. steel tanks and tower, filtration plant, 2 triples pumps, to Pittsburg-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa.

Va., Ashland—Furnishing and laying 4 mi. Class B 8-10 in. iron mains, to J. L. MacGhee Constr. Co., Talboro, N. C.; 125,000 gal. steel tank and tower, to C. D. Cole, Newman.

O., Columbus—See "Streets and Roads."

Wis., Mukwonago—See "Sewers."

Minn., Winona — Extending watermain, 14,774 lin.ft. 6-10 in. Class D. c.i. pipe, 10,812 lb. standard Class D. c.i. castings, etc. to T. Woolley & Son, LaCrosse, Wis., $31,587. Noted June 29.

Mont., Red Lodge—For 13,020 ft. 6-8 and 10 in. c. i. pipe, 8,900 ft. 8 or 10 in. c. i. pipe, 1 clear well and 2 pressure regulators, to McLaughlin & O'Neil, Livingston, $63,106. Noted March 2,

Sewers

PROPOSED WORK

N. Y., Rochester—Plans sewers in Huron and Meriden Sts., $3,300; Bay St., $10,000; Emerson Pl., $1,550; Knickerbocker, Avis and Pullman Sts., $80,000. C. A. Poole, city engr.

Pa., York—Rejected bids opened June 20, additions and improvements to sewage disposal plant. Will readvertise. Fuller & McClintock, 170 Bway., New York, engrs. Noted June 8.

Md., Williamsport—Voted $117,930 bonds for sewerage system. Engineer not announced.

N. Y., North Tonawanda—Plans to extend sewerage system. $25,000. C. T. Oelkers, City Hall, engr.

Fla., Miami Beach—July 25, to vote on $125,000 bonds constructing sewerage system. C. E. McCaskill, city clk.

Mich., Detroit—Had plans prepared 5,358 ft. sewer in Clark and Lovett Aves. from Michigan to Herbert Aves., 11 ft. 6 in. to 11 ft. 3 in. diam., 4,302 ft. Harper Ave. Arm, Sect. 1 of Connors Creek Sewer in Harper and Annsburg Aves. from Connors to Wade Aves., 6 ft. 3 in. to 6 ft. 6 in. diam. 2,813 ft. Harper Ave. Extension of Ashland Ave. Sewer, in Harper and Nelson Aves. from Newport to Wade Aves., 3 ft. 3 in. to 4 ft. 3 in. diam, 3,576 ft. Piquette Ave. Arm of Bates St. Sewer, in Piquette Ave. from John R to Russell Sts., 3 ft. to 5 ft. 6 in. diam. J. W. Reid, city engr.

Wis., Platteville—Having plans prepared furnishing and laying 1.5 mi. 6-8 in. vitr. sewers. $25,000. H. Kleinhammer, Platteville, engr.

Minn., Brainerd — Plans trunk sewer., $35,000. R. T. Campbell, city engr.

Cal., Lakeport—See "Waterworks."

Cal., Modesto—Had plans prepared constructing sewers in Dist. 1, 3,913 lin. ft. 36 in., 1,682 lin. ft. 30 in., 2,576 lin. ft. 24 in. and 2,056 lin. ft. 18 in. rein.-con. pipe, 834 lin. ft. 12 in., 1,363 lin. ft. 10 in. and 2,931 lin. ft. 8 in. vitr. pipe, 15,286 cu. yd. excav., 43,520 sq. ft. pavement replacement, 1,921 lin. ft. 6 in. sewer to be removed, etc. G. Freitas, city engr.

Cal., Sanger—Plans election to vote on bonds to construct sanitary and storm sewerage systems, purchase fire apparatus and construct city jail.

BIDS DESIRED

Conn., Hartford—July 11, by W. F. O'Neil, secy. Bd. Contract & Supply, 1,196 ft. vitr. sewer in Acton St. and 930 ft. vitr. sewer in Wilbur St. R. N. Clark, city engr.

N. Y., Brooklyn—July 12, by E. Riegelmann, boro pres., Boro Hall, repairing sewer in Fort Hamilton Parkway near 60th St. and in 60th St. between Fort Hamilton Parkway and 19th Ave.; constructing sewer in Troy Ave. between Union St. and East New York Ave., Carroll St. from Troy Ave. to point about 370 ft. westerly, Montgomery St. between Troy Ave. and sewer summit west of Troy Ave., West 36th St. between Canal Ave. and Gravesend Bay, 72nd St. between 18th and 19th Aves., East 17th St. from Ave. L to Ave. M, Ridge Blvd. between 92nd and 94th Sts., Fort Hamilton Parkway, west side, between 70th and 71st Sts.; sewer basins in Otsego St. at southwest corner of Beard St. and southeast corner of Halleck St.

Tenn., Nashville—July 18, at office S. H. McKay, city clk., Sect. 4, Browns Creek intercepting sewer. W. W. Southgate, city engr.; adv. this issue.

O., Akron—July 10, by M. P. Tucker, dir. Pub. Serv. 730 ft. 10 in. vitr. clay and 2,025 ft. 30-42 in. segmental block or brick sewer in Crozier St.; 2,210 ft. 12-15 in. vitr. clay or 1,999 ft. 39-54 in. segmental block sewer in Miller Ave., $47,000; 1,165 ft. 18 in. vitr. clay and 1,195 ft. 66 in. segmental block or brick sewer in Sweitzer Ave., $36,000. J. E. Root, Delaware Bldg., engr. Noted June 29.

Ind., Hammond—July 10, by Bd. Pub. Wks., building and equipping sewer pumping station. $236,803. D. Miller, clk. W. F. Bridge, Hammond, engr.; adv. this issue.

Wis., West Allis—July 19, by Bd. Pub. Wks., furnishing and laying sanitary sewers in 14 streets incl. 10,908 ft. of 8-12 in. vitr. pipe; storm sewers in 13 streets, 6,940 lin.ft. 8-24 in. vitr. pipe, 909 ft. of 42 in. rein.-con. circular pipe, 26 manholes, 59 catch-basins, etc. W. Darby, City Hall, engr.

S. D., Sioux Falls—July 10, sewers incl. 1,049 lin.ft. 12 and 36 in. pipe, 520 lin.ft. 10-33 in. pipe, 231 ft. 10-30 in. pipe, 2,935 ft. 10-24 in. pipe, 465 ft. 10-20 in. cobble sewer, 468 ft. 20 in. storm sewer. $30,000. E. C. Leyse, city aud.

S. D., Yankton—July 17, 17,435 lin.ft. 10-36 in. sewer, incl. 3,000 lin.ft. 10 in. connecting pipe, etc. $38,000. C. H. Conrick, city engr.

BIDS RECEIVED

Cal., Long Beach — Sewers in Redondo St., et al., from R. N. Nickcevich, P. O. Box 204, $98,334; P. S. Tomich, 2135 East Anaheim St., $99,480; L. Miletich, Los Angeles, $112,423.

Cal., San Pablo—San Pablo Sanitary Dist. constructing various sewers, from Downer & Mero, 2234 Macdonald Ave., Richmond, $28,391; L. L. Page, 8th & Bissell Aves., Richmond, $29,297; Heafey, Moore & McNair, 2030 High St., Oakland, $30,671. Noted June 15.

CONTRACTS AWARDED

N. J., Morris Plains—B. G. Lewis, comr. State House, Trenton, reconstructing sewage disposal plant at State Hospital, here, incl. 75 x 100 ft. concrete tank, 12 ft. deep, etc., to Sewage Disposal Co., Grand Central Bldg., New York, $25,000. Noted June 15.

Ga., Atlanta—Extending Lloyd St. sewer, to McDonald Constr. Co., Atlanta, $124,650; extending Stewart Ave. trunk sewer, to J. B. McCrary Co., 3rd Natl. Bank Bldg., $11,907; several small sewers in various streets, to Dysard Constr. Co., Austell Bldg., Atlanta, $27,182.

Ky., Paducah — Constructing sewers, 96 and 102 in. rein.-con. monolithic, 42-72 in. clay segment block, 15-36 in. vitr. clay pipe, to E. R. Harding Co., 400 Robinson Bldg., Racine, Wis., $508,000. Noted June 8.

Wis., De Forest—Furnishing and laying 12,226 ft. 8-21 in. vitr. sewers, flush tanks, disposal plant, etc., to J. T. Blake, 611 South Few St., Madison.

Wis., Mukwonago—Furnishing and laying sewer pipe, manholes, flush tank and water pipe, to Gray-Robinson Constr. Co., 8th St., Manitowoc. Engrs. est. $25,000. Noted June 8.

Wis., St. Croix Falls—For 22,238 lin. ft. sanitary and 3,096 lin. ft. storm sewers, inlets, sewage treatment plant, manholes, appurtenances, etc., to Hedborg & Heiner, c/o Toltz, King & Day, engrs., 1410 Pioneer Bldg., St. Paul, Minn., and St. Croix Falls, $57,000. Noted June 1.

Cal., Watts—Sewerage system, to A. W. Phillips, 537 North Hoover St., Los Angeles, and M. G. Brkich, 1506 Pleasant Ave., Los Angeles, $442,775.

Waste Disposal

PROPOSED WORK

Fla., St. Petersburg—Soon takes bids constructing incinerator. $15,000 bonds voted. G. B. Shepard, dir. pub. wks.

O., East Cleveland (Cleveland P. O.)—August 8 to vote on $150,000 bonds for 1 story garbage incinerator, brick, steel and concrete. C. M. Osborn, city mgr. Architect not selected.

BIDS DESIRED

D. C., Wash.—July 17, by Dist. Comrs., 509 Dist. Bldg., additional incinerators to Trash Plant, Mt. Olivet Rd. and Montello Ave.; adv. this issue.

Bridges

PROPOSED WORK

North Carolina—State Hy. Dept., Raleigh, plans steel and rein.-con. bridges between Clinton and Warsaw, Project 274, Sampson and Duplin Counties, $50,000; rein.-con. or structural steel bridge over New River, near Jacksonville, Project 366, Onslow Co., $40,000; rein.-con. or structural steel bridge over Roanoke River, at Roanoke Rapids, Project 169, Northampton and Halifax Counties, $10,000. C. M. Upham, state highway engr.

N. C., Mocksville—Davie Co. receives bids latter part of July constructing 125 ft. steel truss over Hunting Creek, 16 ft. roadway. N. S. Mullican, Winston-Salem, engrs.

Ala., Pales—Jefferson Co., (Birmingham), having surveys made and takes bids in about 90 days, bridge near here, probably steel spans on concrete abutments and piers. $60,000. C. A. Rogers, co. engr.

Bridges (Continued)

Tenn., Nashville—Voted $375,000 bonds, this with $250,000 previously voted will be used for 2 rein.-con. viaducts, one on Church St., other on Meridian St. Freeland, Roberts & Acker, Independent Life Bldg., engrs. Noted April 27.

Neb., Oreapolis—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, soon takes bids for steel and concrete bridge to replace present bridge over Platte River, near here. $400,000. G. A. Haggander, bridge engr. This corrects report in June 22 issue.

Tex., Brenham—Washington Co. making plans 3,500 ft. bridge over Brazor River between Waller and Washington Counties, 700 ft. steel truss, 2,800 ft. earth approach and fill. $200,000. G. A. Bracher, co. engr.

Cal., San Francisco—San Francisco Transit Co. plans 3,000 ft. suspension bridge, with 1,500 ft. central span, over Carquinez Straits. C. E. Fowler, 25 Church St., New York, consult. engr. E. Duryea and H. L. Haehl, Humboldt Bank Bldg., engrs.

BIDS DESIRED

N. Y., Cobleskill—July 21, by H. L. Sweet, Supt Highways, at office of A. J. Brown, town clerk, steel and concrete bridge, over Cobleskill Creek, on Barnerville-Howe Cave Rd.; adv. this issue.

N. Y., Long Island City—July 14, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, reconstructing centre pier fender of Meeker Ave. Bridge over Newtown Creek.

North Carolina—July 25, by State Hy. Dept., Raleigh, constructing bridges and culverts on State Project 881, Gates Co., 775 cu.yd. concrete, 96,900 lb. reinforcing, 1,680 ft. untreated timber piles, 195 sq.yd. asphalt wearing surface, etc., $26,000; State Project 888, Yancey Co., 1,362 cu.yd. concrete, 125,750 lb. reinforcing, 1,980 ft. untreated timber piles, etc., $40,000. C. M. Upham, state highway engr. Noted June 15.

N. C., Edenton—See "Streets and Roads."

Ga., Savannah—Comrs. Chatham Co. taking bids bridge, first section 1,490 ft., concrete, incl. draw span; middle section, 1,815 ft., concrete; third section, 7,998 ft., either concrete or treated timber.

Alabama—July 25, by W. S. Keller, state highway engr., Montgomery, constructing bridges on Guin to Walker Co. Line Rd., Marion Co., two 100 ft. arch bridges, remainder girder type except one 80 ft. and one 102 ft. 6 in. steel spans.

Ohio—July 14, by Dept. Highways and Pub. Wks., Columbus, bridges in following counties:

Ottawa Co., Sect. "L" Toledo-Elmore Rd., concrete, 82.6 ft. long, $7,702.

Preble Co., Sect. "Eaton" Dayton-Indianapolis Rd., rein.-con., $27,968.

Ross Co., Sect. "G" Chillicothe-Jackson Rd., bridge, $6,034.

Athens Co., Sect. "E," "C" and "J" Logan-Athens Rd., reconstructing bridge, $14,339.

Erie Co., Sect. "H" Cleveland-Sandusky Rd., timber retaining wall, $5,100. L. C. Herrick, dir. highways.

BIDS RECEIVED

N. Y., Long Island City—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, received bids June 28, piers for bridge over Beach Channel, Jamaica Bay Blvd., Boro of Queens, from P. T. Cox Contg. Co., 154 Nassau St., New York, $268,900; J. Schlesinger, 249 West 30th St., New York, $398,693. Noted June 22.

Pennsylvania—See "Streets and Roads."

Fla., Clearwater—Comrs. Pinellas Co., constructing bridges on (a) Rd. 1, (b) on Rds. 2, 3, 4 and 5, from E. W. Parker, 402 Curry Bldg., Tampa, (a) $59,630; Pensacola Shipbuilding Co., Amer Natl. Bank Bldg., Pensacola, (a) $61,120, (b) $36,394. Noted May 25.

Missouri—State Hy. Dept. at div. office Bloomfield, opened bids June 2, one 40 ft. I-Beam, two 20 ft. rein.-con. slabs, three 50 ft. steel and one 24 ft. and one 30 ft. rein.-con. deck girder spans, on Federal Aid Project 187, Stoddard Co., from Cameron-Joyce & Co., Keokuk, Ia., $30,322; Little & Dean, Paris, Tenn., $31,465; M. E. Gillioz, Monett, $37,192.

Missouri—State Hy. Dept. at div. office Marble Hill, opened bids June 9, one 30 ft. rein.-con. through girder and one 120 ft., one 160 ft. and one 80 ft. steel truss spans, on Federal Aid Project 174, Sect. B, Bollinger Co., from M. E. Gillioz, Monett, $39,080; W. A. Ross, Kansas City, $39,817; Genl. Constr. Co., Arcade Bldg., St. Louis, $44,331.

Missouri—State Hy. Dept. at div. office Fredericktown, opened bids June 16, one 24 ft. rein.-con. deck girder, one 60 ft. steel truss and seventeen 10 ft. rein.-con. slab spans, on Federal Aid Project 101 B, Madison Co., from Hogan Humphreys, Little Rock, Ark., $16,923; C. Gove, St. Louis, $17,651; M. E. Gillioz, Monett, $19,249. Noted June 8.

Colorado—State Hy. Dept., Denver, 11 timber bridges in Lincoln Co., from A. R. Mackey, Sterling, $37,738, White & Johnson, Chamber Commerce Bldg., Denver, $37,901, H. C. Lallier Constr. & Eng. Co., Hudson, $39,096; 0.502 mi. bridge on State Rd. 45, new Sante Fe Trail, Pueblo Co., 120 ft. 3 trusses, 20 ft. roadway, from Rogers & Pickard, 302 Tramway Bldg., Denver, $61,264, Pueblo Bridge & Constr. Co., 410 East 8th St., Pueblo, $69,948, Pioneer Constr. & Eng. Corp., 614 Ideal Bldg., Denver, $81,403.

CONTRACTS AWARDED

Va., Clinchport—Bd. Supervs., Scott Co., (Gate City), Stock Creek Bridge, 150 ft. span, open spandrel arch, 16 ft. roadway, 6 ft. sidewalk, to Roehl & Steel, 923 Holston Bank Bldg., Knoxville, Tenn.

Ill., Ottawa—La Salle Co. for East Main Street Bridge, rein.-con., three 73 ft. rein.-con. arch spans, 40 ft. roadway and two 7 ft. sidewalks, incl. complete lighting system, to Koss Constr. Co., 2818 5th St., Des Moines, Ia., $86,000. Noted June 15.

Wis., Ixonia—Jefferson Co., State Road and Bridge Com., (Jefferson), McCall Bridge over Rock River, here, five 45 ft., deck concrete girder spans, 26 ft. roadway with one 4 ft. sidewalk, to McGucken Constr. Co., 425 East Water St., Milwaukee, $22,000. Noted June 15.

Ia., Corning—Adams Co. 2 pony trusses, 1 I-Beam and 52 culverts and extensions, to G. W. Condon, 510 Farnam Bldg., Omaha, Neb., concrete figures $19.50 per cu.yd., structural steel $0.055 per lb. erected; average haul 4.95 mi. total $31,450. Noted May 18.

Railways

PROPOSED WORK

New York—International Ry. Co., 70 West Huron St., Buffalo, plans constructing double track in extension of Bailey Ave. Line into Bailey-Kensington dist., incl. new paving between tracks. $400,000. Work will either be done by day labor or by City of Buffalo. H. E. Riexinger, ch. engr.

Nevada—Eureka-Nevada R.R., c/o J. E. Sexton, genl. mgr., Palisade, plans 50 mi. narrow gauge railroad in Modoc Co., $25,000. C. B. Sexton, Palisade, ch. engr.

BIDS RECEIVED

New York—Transit Comn., 49 Lafayette St., New York, opened bids June 26, installing tracks for portion of 14th St.-Eastern Line, in Boros of Manhattan and Brooklyn, from Slattery Eng. Constr. Co., 10 East 43rd St., New York, $183,320; T. H. Reynolds Constr. Co., 50 Park Pl., New York, $230,000; T. Crimmons Constr. Co., 126 East 59th St., New York, $271,600. Noted June 22.

Pennsylvania—Pennsylvania R.R., Broad St. Sta., Phila., 2 main track lines from West Rochester to Kenwood, to Adam Laidlaw Co., Edgewood.

Louisiana—Morgan & Bird R.R., Shreveport, plans 15 mi. line from Beaucom Spur to Cotton Valley, to connect Haynesville with Shreveport. W. Morgan, pres.

Michigan—Dept. Street Rys., Murphy Bldg., Detroit, track specials, to Lorain Steel Co., 53 West Jackson Bldg., Chicago, $49,481.

Excavation and Dredging

PROPOSED WORK.

Wis., Sheboygan—Plans dredging Sheboygan River from Lake Michigan to 8th St. Bridge. $25,000. J. Steimle, City Hall, clk. Engineer not selected.

N. D., Grand Forks—Grand Forks Co. having plans prepared draining Ditch 12 in Lakeville, Levant, Turtle River and Ferry Twps., incl. 26,400 acres. $33,481. H. Anderson, co. aud.

Cal., Merced—Stevenson Corp., 68 Post St., San Francisco, plans irrigation system, incl. 57,700 ft. ditches, 500 ft. 34 in. wood stave, three 24 in. centrifugal pumps, 25 ft. lift. 450 h.p. motors.

Cal., Oakdale—Oakdale Irrigation Dist. plans election to vote on $50,000 bonds for improvements, incl. constructing canals, enlarging present canals and installing pipe lines. M. Kearney, Oakdale, secy.

CONTRACTS AWARDED

Wis., Lodi—Lodi D. D., Columbia Co., 12,000 lin.ft. open ditch and 2,200 ft. 10-15 in. drain tile, to Wisconsin Drainage Co., Elkhorn. Noted May 25.

Wis., Madison—Dane Co. Drainage Co. furnishing and laying 18,000 ft. 5-10 in. drain tile, to D. Nelson, 1133 Hamilton St., Racine. Engrs. est. $25,000.

Streets and Roads

PROPOSED WORK

N. Y., Rochester—Plans paving Knickerbocker Ave. and Otis St., asphalt, $21,700 and $12,600 respectively; cement walks, Edinburgh St., $1,200; walks and grading Britton St., $3,700. C. A. Poole, city engr.

Pa., Mercer—Mercer Co. making plans and soon takes bids 3 mi. rein.-con. road known as Dyes Corner Spur. $25,000. F. P. Graham, Grove City, co. engr.

Pa., Mercer—Mercer Co. will sell $1,000,000 bonds for road work. F. Graham, co. engr.

Pa., Monaca—Voted $32,000 bonds for improving streets.

Pa., New Castle—Lawrence Co. sold $600,000 bonds for road work. A. Lamoree, co. clk.

Pa., Pittsburgh—Plans to improve, grade, pave and curb Manchester Ave., $112,000; East St. from Tripoli to Royal Sts., $82,000. C. A. Finley, dir. pub. wks.

Pa., Wilson—Plans to vote on $107,000 bonds for paving 27 streets. L. A. Weaver, boro. engr.

North Carolina—State Hy. Comn., Raleigh, plans grading, bridging and surfacing 11.5 mi. road from Boone to Caldwell Co. line, State Project 770, Watauga Co., $50,000, 6.5 mi. from McGradys Post Office to Alleghany Co. line, State Project 780, Wilkes Co., $30,000, 11.6 mi. from Mt. Airy to Stokes Co. line via Pilot Mountain, State Project 763, Surry Co., $65,000, 11 mi. from Lillington to Duke on north side Cape Fear River, State Project 437, Harnett Co.; $60,000, 10.7 mi. from Edgecombe Co. line to Green Co. line via Farmville, State Project 188, Pitt Co., $50,000; grading and concrete or asphaltic paving 4 mi. from Duke to Dunn, State Project 438, Harnett Co., $120,000, 8 mi. from Statesville to Rowan Co. line, State Project 643, Iredell Co., $230,000, 2 mi. from Statesville to Junction with Central Highway, State Project 644, Iredell Co., $60,000, 10 mi. from Charlotte to Cabarrus Co. line on Route 27, State Project 659, Mecklenburg Co., $260,000, 5 mi. between Washington and Belhaven, State Project 105 B, Beaufort Co., $150,000, 2 mi. between Belhaven and Leechville, State Project 105 A, Beaufort Co., $60,000, 16 mi. from Wayne Co. line to Warsaw, State Project 220, Duplin Co., $480,000, 9 mi. between Clinton and Williamsons Store, State Project 273, Sampson Co., $270,000, 8 mi. from end of pavement east of Wilson to Greene Co. line, State Project 293, Wilson Co., $240,000, 7.5 mi. between Whiteville and Chadbourne, State Project 328, Columbus Co., $225,000, 8 mi. from Polkton to Wadesboro, State Project 608, Anson Co., $200,000, 5.1 mi. from Mt. Airy to Fancy Gap, State Project 762, Surry Co., $180,000, 3.5 mi. from Yadkin Co. line, via Elkin, to Dobson Rd., State Project 765, Surry Co., $90,000, 8 mi. from Statesville to Allison Bridge on Little Yadkin River, State Project 641, Iredell Co., $200,000, 9.5 mi. from Franklinton to Wake Co. line, State Project 421, Franklin Co., $260,000; grading, bridging and concrete or asphaltic paving 15 mi. from Goldsboro to Duplin Co. line, State Project 282, Wayne Co., $450,000, 10 mi. from forks of road near Castle Hayne to Long Creek, State Project 380, Pender Co., $250,000, 10 mi. from Mecklenburg Co. line to Stanly Co. line on Route 27, State Project 616, Cabarrus Co., $260,000; grading and surfacing 21 mi. between Lenoir and Blowing Rock, State Project 723, Caldwell Co., $65,000, 8.35 mi. between Tarboro and Pitt Co. line, State Project 126, Edgecombe Co., $56,000, 12.2 mi. from Tarboro to Halifax Co. line, State Project 127, Edgecombe Co., $90,000, 17.4 mi. from Tarboro to Pitt Co. line, State Project 128, Edgecombe Co., $175,000, 8.1 mi. between Near Crisp and Wilson Co. line, on Route 2, State Project 129, Edgecombe Co., $50,000, 4 mi. from Berea to Person Co. line,

Streets and Roads (Continued)

State Project 431, Granville Co., $25,000; clearing, grading, bridging and surfacing 20.1 mi. from Whitakers to Halifax, State Project 141, Halifax and Edgecombe Counties, $100,000, 16.8 mi. from Winton to Aulander, State Project 147, Hertford and Bertie Counties, $85,000, 16.5 mi. from Chowan Co. line to Virginia State Line, State Project 134, Gates Co., $85,000, 13½ mi. from Winfall to Road 32, via Belvedere, State Project 177, Perquimans and Chowan Counties, $65,000, 13.2 mi. from Lenoir to Wilkes Co. line, State Project 721, Caldwell Co., $65,000; resurfacing 8.8 mi from Wilmington to Castle Hayne, State Project 351, New Hanover Co., $100,000; grading and surfacing with penetration macadam, concrete or asphalt 9 mi. from Apex to Chatham Co. line, State Project 486, Wake Co., $125,000; grading and gravel surfacing 7.5 mi. from West Jefferson to Baldwin, State Project 714, Ashe Co., $50,000; grading and paving with penetration macadam 8 mi. road, State Project 640, Iredell Co., $120,000; clearing, grading, bridging and topsoiling 17 mi. from Mars Hill to Sands Gap at Tennessee state line, State Project 973, Madison Co., $85,000; clearing, grading, bridging and concrete or asphaltic paving 13 mi. between Burgaw and Duplin Co. line, State Project 381, Pender Co., $360,000; grading and hard-surfacing 2 mi. from Old Westfield to New Westfield Rds., State Project 764, Surry Co., $50,000; dressing and re-surfacing 14 mi. from Boone to Tennessee state line on Route 60, State Project 771, Watauga Co., $25,000; constructing soil road 12½ mi. between Edenton and Hertford, State Project 115, Chowan and Perquimans Counties, $65,000; surfacing 9.5 mi. Old Project 600 with penetration macadam, State Project 602, Alexander Co., $100,000. C. M. Upham, state highway engr.

North Carolina—State Hy. Dept., Raleigh, plans surfacing and re-surfacing Projects 964 and 943, Macon and Haywood Counties, $30,000. C. M. Upham, state highway engr.

N. C., Greensboro—Guilford Co. plans paving with concrete or some asphaltic type, 4 mi. road known as Kivette Rd., from High Point toward Hayworth Springs, $100,000. W. C. Jones, High Point, comr.

N. C., Spencer—Plans paving various streets, concrete or some type of asphalt, $50,000.

Fla., Port Tampa—Voted $25,000 bonds paving 1 mi. Prescott St., incl. two 10 ft. strips with 18 ft. trolley way in center. McElroy Eng. Co., 32-34 Giddens Bldg., Tampa, engrs.

Fla., West Palm Beach—Palm Beach Co., Court cancelled contract awarded to Greynolds & Monroe, Inc., West Palm Beach, surfacing Military Trail Lake Worth Rd. Noted Feb. 9.

Ala., Birmingham—Takes bids about Aug. 30, paving curbing and guttering 1½ mi. 5th Ave. S., formerly Ave. E, 11,000 lin.ft. combined concrete curb and gutter, 30,000 sq.yd. asphalt on concrete. $82,000. A. J. Hawkins, Birmingham, engr.

Ohio—Dept. Highways and Pub. Wks. rejected bids received June 16, grading, bridging and paving 3.593 mi. Sect. D Aurora-Warren Rd., Portage Co. Noted June 22.

O., Columbus—W. H. Duffy, dir. Pub. Serv., rejected bids opened June 27, grading, curbing, laying water mains and paving 2,529 ft. Fair Ave. from Champion Ave. to Franklin Park W., 30 ft., asphalt over present surface. $27,737.

O., Columbus—Franklin Co. plans grading and paving 1.5 mi. Dublin Rd., 24 ft., waterbound macadam. $80,000. C. C. Lattimer, Court House, engr.

O., Tiffin—Plans $25,000 bond issue for street paving. A. Unger, Mayor.

Kan., Hutchinson—Plans paving 8 blocks of 4 ft., 10 blocks of 5 ft., and 2 blocks of 6 ft. sidewalks, 5 blocks curb and gutter, and 1 block 18 ft. concrete paving. B. Lee, city engr.

Neb., Lincoln—T. Berg, city clk., takes bids about July 15, paving 5 blocks, 15th St. from Sumner to South Sts., Dist. 406, 4,357 sq.yd. asphaltic concrete, 2,984 lin.ft. combined curb and gutter, etc.; 4 blocks 32nd St. from Q to R Sts., Dist. 316, 3,190 sq.yd. asphaltic concrete, 2,460 lin.ft. combined curb and gutter, etc. G. W. Bates, city engr.

Missouri—State Hy. Dept., Jefferson City, plans surfacing 3.973 mi. road from King City northward and southward, Federal Aid Project 54, Gentry Co., 1½-2 in. rock asphalt, 2½ in. bituminous macadam, 2 in. asphaltic concrete, all foregoing on 8 in. sledged stone, 1 course cement concrete, 8 in. in center and 6 in. at edges, or 4 in. waterbound intermediate course and 1 in. inverted penetration macadam surface course on 6 in. sledged stone. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., at div. office, New London, rejected bids received May 25, 3.829 mi., State Aid Project 20.168, Ralls Co. Noted June 22.

Texas—State Hy. Comn., Austin, appropriated $3,402,409 for highway projects in forty-seven counties; Jefferson Co. $217,000; Cameron Co. $100,000; Brazoria Co. $90,000; Palo Pinto Co. $100,000; Falls Co. $100,000; Shelby Co. $75,000; Nacogdoches Co. $2,000; Parker Co. $19,750; Guadalupe Co. $35,028; Fannin Co. $100,000; Blanco Co. $61,000; Mitchell Co. $12,469; Houston Co. $68,000; Fort Bend Co. $249,400; Mason Co. $19,000; Rusk Co. $95,712; Williamson Co. $88,154; Eastland Co. $71,000; Limestone $13,602; Bowie Co. $35,552; Morris Co. $13,812; Burnet Co. $3,992; Brooks Co. $6,000; Dalas Co. $40,000; Hood Co., $6,250; Hunt Co., $75,000; Madison Co. $625; Smith Co. $75,000; Terrell Co. $200,000; Lamar Co. $130,021; Tarrant Co. $30,000; Angelina Co. $100,000; Bosque Co. $15,000; Cherokee Co. $16,000; Coke Co. $50,000; Edwards Co. $100,000; Fayette Co. $26,000; Hidalgo Co. $100,000; Jasper Co. $67,500; Jeff Davis Co. $57,000; Jim Wells Co. $100,000; Milam Co. $64,000; Newton Co. $95,000; Nueces Co. $95,000; Orange Co. $175,000; Stephenson Co. $100,000; Uvalde Co. $100,000.

Tex., Abilene—Plans additional street improvements, incl. Hickory and Grape Sts., permanent type pavement. Fund derived from $90,000 bond issue now available. W. A. Rainey, city engr.

Tex., Ballinger—Attorney Generals Dept., Austin, approved $50,000 bond issue voted for extensive street improvement, citizens also voted for assessment of abutting property owners to supplement above issue. J. E. Pirie, city engr.

Tex., Johnson City—Rd. Dist. 2, Blanco Co., voted $40,000, its share toward grading and graveling 22 mi. State Highway 20-A. Total cost $125,000. W. C. Yeager, Blanco City, co. engr.

Tex., McLean—See "Waterworks."

Tex., Muleshoe—Bailey Co. plans grading and surfacing with clay and caliche 17 mi. State Highway 7, 16 ft. $50,000. C. L. Hasie Eng. Co., Muleshoe, engrs.

Cal., Fresno—Had plans prepared improving portions Peralta Way and Moroa Aves., 70,645 sq. ft. grading, 61,060 sq. ft. asphalt, 6,145 sq. ft. concrete gutter, 1,760 lin. ft. concrete curb, 2,703 sq. ft. concrete sidewalks, etc. W. Stranahan, city engr.

Cal., Lodi—Had plans prepared improving portion of Eden St., $83,145 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 91,425 sq.ft. concrete curb, 5,525 sq.ft. concrete gutters; portion of Flora St., 91,425 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 100,126 sq.ft. grading, 5,620 lin.ft. concrete curb, 7,025 sq.ft. concrete gutters; portion of Stockton St., 77,352 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 83,159 sq.ft. grading, 3,604 lin.ft. concrete curb, 4,505 sq.ft. concrete gutters. L. F. Barzellotti, city engr.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co., takes bids about Aug. 1, improving 105th, 106th, 107th and 109th Sts., Budlong, Normandie Aves., et al., 33,655 lin.ft. cement curbing, 2,720 sq.ft. cement gutter, 134,018 sq.ft. cement sidewalks, 19,085 cu. yd. earth excav.

Cal., Modesto—Had plans prepared improving Morris Ave. between McHenry St. and Blocks 605 and 606, Auburn and Castle Sts. between Morris and Lucerne Aves., 168,200 sq.ft. grading, 154,809 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 13,390 sq.ft. concrete gutter, 8,325 lin.ft. concrete curb, 1,258 lin.ft. headers, etc. G. Freitas, city engr.

Cal., Newport Beach—Rescinded contract for concrete paving 368,755 sq.ft. Central Ave., et al. $460,000. Will readvertise. Noted June 1.

Cal., Oakland—Had plans prepared improving 14th St. between Poplar and Wood Sts., 126,819 sq.ft. grading, 537 lin.ft. concrete curb with steel guard, 4,398 ft. concrete curb without steel guard, 5,266 sq.ft. concrete gutter, 21,553 sq.ft. asphaltic concrete pavement, etc. W. W. Harmon, City Hall, engr.

Ont., Ottawa—Bd. Control soon takes bids asphalt pavements on Wellington St. from Garland to Parkdale Aves., $120,373, Gloucester St. from Kent to Bay Sts., $16,455, Nicholas St. from Rideau St. to Laurier Ave. E., $61,039, Waller St. from Rideau St. to Laurier Ave. E., $22,957, Augusta St. from Rideau to Wilbrod Sts., $13,734, Chapel St. from Osgoode to Somerset Sts., $10,328, Cobourg St. from Rideau to Clarence Sts., $17,439; tarvia pavement on Champagne St., $10,000. A. F. Macallum, city engr.

BIDS DESIRED

Rhode Island—July 19, by State Bd. Public Rds., Providence, reconstructing section State Highway, in Tiverton; adv. this issue.

N. Y., Long Island City—July 16, by M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., (a) grading and paving Bell Ave. from Cocheron to Jackson Aves., preliminary concrete (b) setting curb on easterly side from Wainscott (Warburton) to Jackson Aves. (excluding from both (a) and (b) the right of way of the Long Island R.R.) all in 3rd Ward.

N. Y., Long Island City—July 13, by Park Bd. at office of Dept. Parks, Municipal Bldg., New York, sidewalks along Woodhaven Ave. in Forest Park, Boro of Queens.

N. Y., Lynbrook—July 15, by Village Bd. Trustees, paving certain streets, reinforced cement concrete. P. Stauderman, pres.; adv. this issue.

N. Y., New York—July 11, by W. J. Flynn, acting pres. Bronx Boro, grading, setting curb, laying sidewalks, etc., where necessary in Harrison Ave. from Kingsland Pl. to Burnside Ave.; paving roadway of Harrison Ave. from Tremont to Burnside Aves., sheet asphalt on concrete; sewers in Middletown Rd. between Westchester and Edison Aves. Noted June 29.

N. J., Belvidere—July 21, by Warren Co. Court House, constructing State Highway Route 5, Sect. 8, Great Meadows-Barkers Corner. H. W. Vetter, co. engr.; adv. this issue.

Pa., Clairton—July 10, grading Sycamore and Chambers Sts. from Maple to Boundary Sts., 4th Ave. from Walnut to Wilson Aves., grading, paving and curbing State St. from Boundary to Bway., 6th Ave. from Locust St. to Summit Way, also sanitary sewer in State St. from Boundary to Maple Sts. R. M. Evans, city engr.

Pa., Phila.—July 11, by F. H. Caven, dir. pub. wks., grading Almond St. from Tioga to Venango Sts., Florence Ave. from 54th to 55th Sts., Stillman St. from Thompson to Master Sts., 13,415 cu.yd. excav., $26,000; Delaware Ave. from Columbia Ave. to Dyott St., 12,860 cu.yd. excav., 23,450 sq.yd. granite block, $100,000; paving Chester Ave. from 65th to 66th Sts., Filbert St. from 52nd St. to dead end, Fisher Ave. from 15th to 16th Sts., Franklin St. from Wyoming to Louden Sts., 5,400 sq.yd. asphalt, $29,000; Hutchinson St. from Ruscomb St. to Lindley Ave., Madison Ave. from Cedar St. to Aramingo Ave., Mercer St. from Westmoreland to Ontario Sts., Percy St. from Emily St. to Snyder Ave., Snyder Ave. from 23rd to 24th Sts., Tower St. from Roxboro Ave. to Jamestown St., 7,329 sq.yd. asphalt, $30,000; Woodlawn St. from Sprague to Ardleigh Sts., 51st St. from Viola to Leidy Sts., 304 sq.yd. vitr. brick, 2,819 sq.yd. asphalt, $25,000; 58th St. from Woodlawn Ave. to Baltimore & Ohio R.R., 12,542 sq.yd. redressed granite block, $20,000; Marshall St. from Brown to Poplar Sts., 522 sq.yd. vitr. brick, 830 sq.yd. granite block, 2,930 sq.yd. asphalt, $30,000; Indiana Ave. from Broad to 15th Sts., 1,117 sq.yd. granite block, $25,000; Brewster Ave. from 83rd to 86th Sts., 8,250 sq.yd. bituminous macadam, $35,000. F. C. Dunlap, City Hall, engr.

Pa., Sharon—July 11, paving 6,050 sq.yd. Pearl St., Case, Euclid and South Water Aves., brick, sheet asphalt or asphaltic concrete on concrete; repaving 2,330 sq.yd. East State St., brick on concrete, 2,530 sq. yd. North Water and South Water Aves. brick or sheet asphalt on concrete; resurfacing 6,950 sq.yd. South Main Ave. and South Dock St., brick or sheet asphalt. W. M. Stewart, city clk.

D. C., Wash.—July 12, by Dist. Comrs., 509 Dist. Bldg., paving various streets and avenues, asphalt; adv. this issue.

Va., Richmond—July 17, at office of A. J. Saville, dir. pub. wks., grading, curbing and guttering various streets; adv. this issue.

North Carolina—July 25, by State Hy. Comn., Raleigh, improving 15.2 mi. State Project 888, Yancey Co., 72,500 cu.yd. common excav. and borrow, 4,800 cu.yd. rock excav., 2,120 ft. 18-30 in. concrete pipe, 224 cu. yd. concrete, 147,540 sq.yd. waterbound macadam or two course gravel surface, $213,000; 13.54 mi. State Project 183 A, Pitt Co., 17,000 cu.yd. common excav., 21,000 cu.yd. borrow, 124,140 sq.yd. concrete or asphaltic paving, $344,700; 7.78 mi. State Project 535, Guilford Co., 27,500

Streets and Roads (Continued)

cu.yd. common and 1,500 cu.yd. rock excav., 1,884 ft. 15-18 in. concrete pipe, 82,110 sq. yd. concrete or asphaltic paving, 230 cu. yd. concrete, 65,000 lb. reinforcing, etc., $248,000; 9.28 mi. State Project 602, Alexander Co., 10,900 cu.yd. excav., 98,040 sq. yd. waterbound or penetration macadam, $175,000; 13.5 mi. State Project 131, Gates Co., 58 acres clearing, 26,300 cu.yd. common excav., 50,600 cu. yd. borrow, 1,344 ft. 18-24 in. concrete pipe, 35,550 cu.yd. topsoil, 13,800 sq.yd. corduroy, 1,300,000 sta. yd. overhaul, $84,000. C. M. Upham, state highway engr. Noted June 15.

N. C., Edenton—July 20, by Comrs. Chowan Co., grading, concrete bridge, and concrete or asphaltic paving, 4½ mi. road, 16 ft. $125,000. Blair & Drane, Edenton, engr.

Fla., Ft. Myers—Aug. 9, by Comrs. Lee Co., clearing, grading and paving on rock base 8.5 mi. New Project Short Cut. R. P. Ranson, Ft. Myers, engr.

Alabama—July 25, by W. S. Keller, state highway engr., Montgomery, grading and gravel surfacing 18.754 mi. highway from Guin to Walker Co. line, via Winfield, Marion Co., 55.16 acres clearing, 133,837 cu.yd. common and 22,000 cu.yd. solid rock excav., 2,620 lin.ft. 18 in. and 650 lin.ft. 24 in. c.i. or triple strength terra cotta pipe, 729.55 cu.yd. concrete, 36,823 lb. reinforcing, 50,000 cu.yd. local gravel surfacing, 10,000 cu.yd. stripping gravel pits.

Ala., Guntersville—July 17, widening 4 mi. Dunlap and Broad Sts., 15,000 lin.ft. concrete curb and gutter, 11,000 sq.yd. vertical fibre, concrete or waterbound macadam. $50,000. R. L. Totten, Jefferson Co. Bank Bldg., Birmingham, engr.

La., New Orleans—Sept. 19, paving 55 streets. A. Klorer, city engr.

Ohio—July 14, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Clinton Co. Sect. "R" Cincinnati-Zanesville Rd., 7.545 mi., $312,440.

Columbiana Co., Sect. "A-1" Lisbon-Canton South Rd., 3.922 mi., brick, $164,310, bituminous macadam, asphalt or tar, $126,307.

Gallia Co., Sect. "A-1" Gallapolis-Crown City Rd., 0.86 mi., plain concrete, $31,909.

Hardin Co., Sect. "L" Lima-Kenton Rd., 2.966 mi., bituminous macadam, asphalt or tar, $81,280, bituminous concrete, $78,003, Kentucky rock asphalt, $78,337.

Henry Co., Sect. "Napoleon" Wauseon-Napoleon Rd., 0.5295 mi., rein.-con., $13,360.

Henry Co., Sect. "B" Ottawa-Napoleon Rd., 4.04 mi., Kentucky rock asphalt, $99,560, bituminous macadam, asphalt or tar, $79,612.

Huron Co., Sect. "E" Barberton-Greenwich Rd., 4.124 mi., rein.-con., $99,704.

Huron Co., Sect. "Greenwich" Barberton-Greenwich Rd., 0.1619 mi., rein.-con., $3,961.

Jefferson Co., Sect. "K-1" Ohio River Rd., 2.157 mi., brick, $103,899.

Lorain Co., Sect. "D" and "E" Cleveland-Elyria Rd., 6.23 mi., brick, $194,572, bituminous concrete, $166,260.

Marion Co., Sect. "H" Marion-Galion Rd., 3.077 mi., bituminous macadam, asphalt, $103,933, tar macadam, $99,923, rein.-con., $106,571.

Marion Co., Sect. "K" Marion-Galion Rd., 3.481 mi., bituminous macadam, asphalt or tar, $96,232, bituminous macadam, $100,373, rein.-con., $103,716.

Morrow Co., Sect. "L" Mt. Gilead-Mansfield Rd., 6.322 mi., Kentucky rock asphalt, $196,895, bituminous concrete, $197,813, rein.-con., $200,904.

Noble Co., Sect. "O" Cambridge-Caldwell Rd., 4.716 mi., rein.-con., $140,049, brick, $172,987, state to furnish brick, $137,086.

Noble Co., Sect. "J" Caldwell-Marietta Rd., 3.257 mi., plain concrete, $152,880.

Ottawa Co., Sect. "L" Toledo-Elmore Rd., 0.992 mi., brick, $41,421, bituminous concrete, $39,369, rein.-con. $35,271.

Sandusky Co., Sect. "A" Toledo-Elmore Rd., 2.278 mi., brick, $104,608, bituminous concrete, $93,370, rein.-con., $83,950.

Pickaway Co., Sect. "New Holland" Cincinnati-Zanesville Rd., 0.923 mi., brick, $32,906, bituminous macadam, asphalt or tar, $21,512, rein.-con., $26,038.

Pickaway Co., Sect. "F-2" Columbus-Washington C. H. Rd., 0.8 mi., bituminous macadam, asphalt or tar, $24,082, brick, $34,585.

Pickaway Co., Sect. "F-2" Columbus-Washington C. H. Rd. 0.19 mi., bituminous macadam asphalt or tar, $43,858, brick, $46,631.

Portage Co., Sect. "D" Aurora-Warren Rd., 3.593 mi., rein.-con., $108,183, brick, $108,063.

Scioto Co., Sect. "R-2" Ohio River Rd., 3.139 mi., monolithic brick, $125,748, rein.-con., $115,500, bituminous macadam, asphalt or tar, $105,851.

Stark Co., Sect. "B-2" and "E" Alliance-Minerva Rd., 3.96 mi., monolithic brick, $167,306, bituminous concrete, $164,392.

Trumbull Co., Sect. "C" Painesville-Warren Rd., 2.62 mi., bituminous macadam, asphalt or tar, $85,369, rein.-con., $85,634.

Trumbull Co., Sect. "Newton Falls" Ravenna-Warren Rd., 0.756 mi., brick, $21,035.

Mahoning Co., Sect. "V" Canfield-Polani Rd., 1.21 mi., resurfacing with bituminous macadam asphalt or tar, $23,598.

Vinton Co., Sect. "A" McArthur-Gallapolis Rd., 0.341 mi., grading and completing bridge, $6,997.

Wayne Co., Sect. "O" Wooster-Mansfield Rd., 3.355 mi., grading and constructing bridges and culverts, $53,515. L. C. Herrick, dir. highways.

Ohio—July 17, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 10.297 mi. Sects. "C-1", "C", "D" and "E" Painesville-Warren Rd., Ashtabula Co., monolithic brick, $299,076, rein.-con., $266,493, bituminous macadam asphalt or tar, $319,936. L. C. Herrick, dir. highways.

O., Columbus—July 13, paving sidewalks. $28,000. R. H. Simpson, City Hall, engr.

O., Columbus—July 19, by Franklin Co. paving 1.34 mi. Boehm Rd., Plain Twp., 16 ft., bituminous macadam, $30,182; reconstructing 0.34 mi. Dodgidge St. from Olentangy River to Delaware Rd., 24 ft., $15,762. C. C. Lattimer, Court House, engr.

O., Dayton—July 10, by G. F. Baker, dir. Pub. Serv., paving 3,000 ft. North Main St. from Bridge to Locust Sts., brick, wood block, sheet asphalt or asphaltic concrete, $100,000; 1,000 ft. Kenwood St. from Grafton to Richmond Sts., rein.-con., $6,000; 1,000 ft. Bellemonte Park from Neal to Five Oaks Sts., brick, $9,694; grading and graveling 800 ft. Yuncker Ave. from Oxford St. W., $7,021. I. E. Houk, city engr.

Michigan—July 14, by State Hy Dept., Lansing, grading and surfacing 7.929 mi. State Trunk Line Rd. 54-1, Newaygo Co., 44,366 cu.yd. excav., 74,407 sq. yd. gravel. L. H. Belknap, ch. engr.

Michigan—July 18, by State Hy. Dept., Lansing, grading and surfacing 2.04 mi. State Trunk Line Rd. 59-2, Oakland Co., 21,525 sq.yd. asphalt, concrete or bituminous concrete; 2.767 mi. State Trunk Line Rd. 59-1, Sect. B, Macomb Co., 9,660 cu.yd. excav., 29,220 sq.yd. asphalt, concrete or bituminous concrete. L. H. Belknap, ch. engr.

Michigan—July 19, by State Hy. Dept., Lansing, grading and surfacing 4.862 mi. Assessment Dist. Rd. 346, Ionia and Barry Counties, 16,412 cu.yd. excav., 34,226 sq.yd. gravel; 4.631 mi. State Trunk Line Rd. 47-3, Saginaw Co., 20,058 cu.yd. excav., 4.994 sq. yd. asphalt, concrete or bituminous concrete and 39,475 sq.yd. gravel; 1.751 mi. State Trunk Line Rd. 47-10, Saginaw Co., 18,272 cu.yd. excav., 23,595 sq.yd. asphalt, concrete or bituminous concrete. L. H. Belknap, ch. engr.

Minnesota—July 10, by State Hy. Dept., St. Paul, 1.22 mi. Federal Aid Project 286, State Project 1-37, Ramsey Co., 4,900 cu. yd. excav., 17,478 sq.yd. concrete base, 16,761 sq.yd. asphaltic concrete surface, $39,000; 13 mi. Federal Aid Project 291, State Project 2-24, Clay Co., 185,573 cu.yd. excav., culverts, two bridges, $40,000. State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Minn., Waseca—July 10, by Waseca Co., 9 mi. Job 2201, State Rd. 5, 11,880 cu.yd. gravel surfacing; 11 mi. Job 2205, State Rd. 3, 13,800 cu.yd. gravel surfacing. $35,000. J. W. Hruska, Waseca, engr.

Tex., Clarksville—July 12, by R. J. Williams, judge Red River Co., grading and gravel surfacing 5.39 mi. State Highway 35, incl., 500 cu. yd. roadway, 500 cu.yd. borrow excav., 8.7 cu.yd. concrete, 8,325 cu.yd. gravel furnished by county. $40,000. J. B. Rieman, resident engr.

Tex., Port Arthur—July 12, by J. P. Logan, mayor, paving 94,000 sq.yd. Houston, San Antonio, Dallas and Ft. Worth Aves., etc., sheet asphalt, asphaltic concrete, warrenite bitulithic or rock asphalt on concrete, incl., 10,000 lin.ft. storm sewers, 10,250 lin.ft. curbing, 32,370 lin.ft. guttering, 20,000 cu.yd. earth excav., 200 cu.yd. structural concrete. $233,000 available, (city's share).

Idaho—July 14 at Office Commissioner Pub. Wks., Boise, grading and crushed rock surfacing 7.78 mi. Idaho Pacific Highway, Sect. A, Federal Aid Project 60, Bannock Co., 39,503 cu.yd. earth and 6,853 cu. yd. rock excav., 15,985 cu.yd. gravel, 161 cu.yd. concrete, etc.

BIDS RECEIVED

Vermont—T. W. Dix, comr. State Highways, Montpelier, opened bids June 27, constructing (1) 5.71 mi. Federal Aid Project 32 in Orange, gravel, (2) 2.15 mi. Federal Aid Project 31 in Concord, (3) 1.97 mi. Federal Aid Project 30 in Lunenberg, (a) gravel, (b) bituminous macadam, from G. L. Gregoire & Co., Barre, (1) $102,069 (2) $46,276; Colburn Constr. Co., Concord, N. H., (1) $112,461 (3e) $41,901 (3b) $48,658; Streeter & Sons Co., 1 Glenwood St., Worcester, Mass., (1) $118,971; Dix & Staples, Springfield, (2) $39,298; A. V. Leo Constr. Co., Thompson, Conn., (2) $43,736; Guild & Douglass, Springfield, (3a) $52,588, (3b) $61,260. Noted June 22.

New York—H. S. Sisson, comr. State Hy. Dept., Albany, opened bids June 30, improving (1) 4.59 mi. Highway 8108, Sinclairville-Cassadaga, Part 1, Chautauqua Co., (2) 2.23 mi. Highway 8109, Piercefield-Tupper Lake, Part 2, Franklin Co., (3) 6.65 mi. Highway 8112, Dansville-Geneseo, Part 3, Livingston Co., (4) 7.16 mi. Highway 8107 and 1634, Jordan-Baldwinsville, Part 2, Baldwinsville Village: Dowmer, Syracuse and Oswego Sts., Onondaga Co., (5) 4.99 mi. Highway 8110 Watkins-Lodi, Parts 1 and 2, Schuyler Co., (6) 8.33 mi. Highways 5674 and 8111, Port Jefferson-Riverhead, Part 2-A and Port Jefferson-Riverhead, Part 2-B, Suffolk Co., (7) 0.93 mi. Highway 1646, Tarrytown Village: White Plains Rd., Westchester Co., (8) 9.38 mi. Highway 8113, Dekalb-Heuvelton, St. Lawrence Co., from H. C. Howe, Sherman, (1) $179,782; E. J. Bailey, Brockton, (1) $184,587; A. V. Leo Constr. Co., Thompson, Conn., (2) $69,325 (7) $36,964; W. T. Thayer & Co., Chateaugay, (2) $70,064 (8) $284,930; E. Ferrin, Tupper Lake, (2) $72,108; C. A. Foote & Son, Mt. Morris, (3) $210,645 ,(4) $279,848, (5) $191,865; W. D. Fote, Olean, (3) $223,843, (5) $193,205; Cleveland & Sons Co., Brockport, (3) $226,515; Fowler & Banks, Inc., Mt. Kisco, (4) $284,224; Stento & Serafini, 84 Court St., Binghamton, (4) $291,736; J. W. Gurnett and S. E. Huston, Watkins, (5) $185,179; Westchester Constr. Co., Yonkers, (6) $260,480, (7) $35,469; W. H. Brown Constr. Co., New York, (6) $264,250; Awixa Corp., Islip, (6) $275,730. Noted June 15.

N. J., Jersey City—J. B. Payton, pres. Blvd. Comn., opened bids repaving with asphalt on concrete 36th St., Bayonne, and Linden Ave., here, from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, 228,139, Clinton Asphalt Paving Co., 308 Charles St., West Hoboken, $232,909, W. T. S. Critchfield, 14th St., Hoboken, $237,544; laying conduits and installing electric lighting system between 56th St., Bayonne, and Terhune Ave., here, from W. J. Coleman, 29 Willow Court, $14,484, Young & Mane, Washington St., Hoboken, $16,300, Gaufunkel Bros., 190 Newark Ave., $16,845. Noted March 9.

Pennsylvania—State Hy. Dept., Harrisburg, opened bids June 27, constructing 6,067 ft. Route 251, Parker City Boro., Armstrong Co., from Jones Constr. Co., Lisbon Rd., Salem, O., $65,399. F. S. Wilson, Kittanning, $78,955, C. E. Walter, Butler, $80,164; 11,215 ft. Route 20, Troy and Columbia Twps., Bradford Co., from Juniata Co., 410 Empire Bldg., Phila., $89,950, A. W. Hinaman, Canton, $100,321, Peconco Eng. & Contg. Corp., 1170 Bway., New York City, $108,990; 13,917 ft. Route 251, Parker Twp., and Bruin Boro., Butler Co., from C. E. Walter, Butler, $131,445, Burns Bros., 343 East Washington St., New Castle, $137,119, Jones Constr. Co., Lisbon Rd., Salem, O., $141,256; 9,596 ft. Route 62, Cambria Twp., Cambria Co., from Lord Constr. Co., Hastings, $74,819. G. T. Morgan, 14 Woolf Blk., Johnstown, $76,345, B. Gigliotti, 810 Huber St., Johnstown, $86,474; 23,751 ft. Route 221, Elder and East Carroll Twps., Cambria Co., from Lord Constr. Co., Hastings, $224,600; 2,510 ft. Route 237, North Bethlehem Twp., Clarion Co., from L. H. Hileman Constr. Co. 217-218 First Natl. Bank Bldg., New Kensington, $17,980, J. Battenfield Sons Co., New Bethlehem, $19,641; 12,815 ft. Route 214, Clarion and Monroe Twps., Clarion Co., from T. W. Munroe & Co., DuBois, $152,668, L. H. Hileman Constr. Co., 217-218 First Natl. Bank Bldg., New Kensington, $153,785. Burd Constr. Co., Cresson, $157,779; 7,057 ft. Applications 1867 and 1868, Cambridge and Rockdale Twps., Crawford Co., from Penn-Erie Constr. Co., Erie, $46,099, E. M. Love & Son, Corry, $52,352, H. E. Bunce, Cambridge Springs, $55,656; 28,323 ft. Route 262, Green, Grant and Montgomery Twps.,

Streets and Roads (Continued)

Indiana Co., from Booth & Flinn Ltd., 1942 Forbes St., Pittsburgh, $205,238, Anderson Constr. Co., Parnassus, $214,904, Torquato Bros. Co., 1317 Midway Ave., Windber, $215,381; 18,709 ft. Route 338 and Applications 995 and 1009, Sykesville Boro and Winslow Twp., Jefferson Co., from Mason & Hanger Co. Inc., DuBois, $164,623, J. C. Devine, Alliance, O., $168,450, T. W. Munroe & Co., DuBois, $170,601; 8,648 ft. Route 322, Application 1632, Scott Twp., Lackawanna Co., from M. and T. E. Farrell Co., 209 West Chestnut St., West Chester, $81,262, H. B. Sproul Constr. Co. inc., 218 Adams Ave., Scranton, $86,464, M. Rosato & Son Co., 1145 Sloan Ave., Scranton, $88,340; 12,048 ft. Route 4, Salem Twp. and Shickshinny Boro., Luzerne Co., from D. L. Risser, 713 Walnut St., Lebanon, $112,682, R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $122,547, W. C. Evans, Ambler, $125,907; 24,042 ft. Routes 100 and 101, Port Allegheny Boro. and Liberty Twp., McKean Co., from G. Metzger, Jr., 12 4th St., Emporium, $197,-134, W. J. and J. T. Gephart, 341 Pine St., Williamsport, $200,042, Penn-Erie Constr. Co., Erie, $204,142; 15,659 ft. Route 2, Point Twp., Northumberland Co. and Mahoning Twp. and Danville Boro., Montour Co., from D. L. Risser, 713 Walnut St., Lebanon, $151,328, T. L. Evans Sons, 344 Ferry St., Danville, $158,808, W. C. Evans, Ambler, $172,951; 20,057 ft. Route 174, Harford Twp., Susquehanna Co., from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $190,353, Spruks Co., Cedar and Orchard Sts., Scranton, $204,-700, Awixa Corp., Islip, N. Y., $210,054; one rein.-con. bridge with three 42 ft. spans, over Yellow Breeches Creek at Rosegarden, Sta. 495-00, on Route 123, Upper Allen Twp. Cumberland Co. and Carroll Twp., York Co., from G. A. and F. M. Wagman Co., Dallastown, $18,378, G. A. Flink, 222 Market St., Harrisburg, $19,546, Concrete Steel Bridge Co., 608 East Pike St., Clarksburg, W. Va., $22,078. Noted June 8.

Florida—State Hy. Dept., Tallahassee, surfacing (1) Project 32, Nassau Co., (2) Project 17, Manatee Co., with (a) 2½ in. bituminous macadam on crushed stone, (b) 3 in. bituminous macadam on crushed stone, (c) bituminous macadam on crushed stone, Ref. Tar T. P. 6, (d) bituminous macadam on 5 in. cement concrete, (e) bituminous macadam with bituminous material OA 2, (f) bituminous macadam with Ref. Tar T. P. 6, from J. Y. Wilson, Clark Bldg., Jacksonville, (1a) $287,466; Bauman Constr. Co., Folkston, Ga., (1b) $297,-967, (1c) $303,247, (1d) $343,785; J. F. Morgan Paving Co., Jacksonville, (1b) $301,546, (1c) $309,466, (1d) $333,284; Maule Paving Co., Ojus, (1b) $302,895, (1c) $313,455, (1d) $349,828, (2e) $113,186, (2f) $123,046; Barber-Fortin, Gainesville, (2e) $143,750, (2f) $153,610. Noted June 15.

Fla., Clearwater—Comrs. Pinellas Co., constructing (1) Rd. 1, (2) Rd. 2, (3) Rd. 3, (4) Rd. 4, (5) Rd. 5, (6) Rd. 6, (7) Rd. 7, (8) Rd. 8, (9) Rd. 9, (10) Rd. 10, (11) Rd. 11, (12) Rd. 12, (13) Rd. 13, (14) Rd. 14, (15) Rd. 15, (16) Rd. 16, from J. G. Yeates, Port Tampa, (1) $866,155, (2) $422,966, (3) $203,170; Lasley Bros. & Harvey, Chattannoga, Tenn., (1) $950,162, (8) $222,653; Mickley & McLeod, Tampa, (1) $439,381, (3) $208,873; W. H. Kendrick, Tampa, (2) $432,925; J. B. McCreary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., (4) $23,192, (5) $75,820, (6) $87,058; Barbar-Fortin Co., Gainesville, Fla. and Warren, O., (4) $24,648, (5) $70,170, (6) $96,938, (7) $50,152 and $77,216, (8) $20,757, and $22,164, (9) $20,639 and $34,129, (10) $158,143 and $222,453, (11) $102,952 and $178,336, (12) $172,826 and $254,756, (13) $43,463 and $79,145, (14) $41,399, (15) $41,001, (16) $58,949; W. P. McDonald, 342 Madison Ave., New York, (4) $25,014, (5) $75,295, (6) $98,527, (7) $53,683, (8) $22,150, (9) $21,464, (10) $180,095, (11) $104,976, (12) $198,858, (13) $41,763, (14) $40,884 and $66,357, (15) $38,543 and $67,-891, (16) $55,870 and $99,006. Noted May 25.

O., Columbus—W. H. Duffy, dir. Pub. Serv., opened bids June 27, grading, curbing and asphalt paving, Parsons Ave. from Livingston to Kean Aves., from R. B. Sheridan, 1801 Roxbury Ave., $134,373; Franklin Asphalt Paving Co., 209 South High St., $168,443; Cleveland Trinidad Paving Co., The Arcade, Cleveland, $169,-747. Noted June 22.

O., Garfield Heights (Cleveland, P. O.)—Opened bids June 26, grading and paving East 106th St., South Parkway, Summerdale and Homeworth Aves., asphalt, from Enterprise Paving Co., 8436 Bway., Cleveland, $42,489; Cleveland Trinidad paving Co., The Arcade, Cleveland, $43,411. Noted June 22.

Wis., Kenosha—Opened bids June 28 paving 51,000 sq.yd. various streets, (a) Trinidad asphalt, (b) Mexica asphalt, (c) Texica asphalt, (d) asphalt oil, (e) vitr. fibre brick, (f) rein.-con., (g) asphaltic concrete, from White Constr. Co., 68 Wisconsin St., Milwaukee, (a) $2.95, (b) $2.70, (e) $3.44, (f) $2.32, (g) $2.30; Western Impvt. Co., 840 9th St., Racine, (a) $3.08, (b) $2.98, (c) $3.03; Dean Constr. Co., 382 East North Ave., Milwaukee, (d) $3.18, (f) $2.47; J. Cape & Sons, 468 Water St., Racine, (e) $3.44, (f) $2.47. Noted June 22.

Missouri—State Hy. Dept. at div. office Bloomfield, opened bids June 2, 14.841 mi. road north and south through Pike Twp., Federal Aid Project 187, Stoddard Co., (1) 93,969 cu.yd. earth excav., (2) 36,078 cu. yd. borrow, (3) 104,842 sq.yd. gravel surfacing, etc., from Cameron-Joyce & Co., Keokuk, Ia., (1) $0.34, (2) $0.34 (3) $0.50, total $120,002; Little & Dean, Paris, Tenn., (1) $0.35 (2) $0.35 (3) $0.52, $123,572; M. E. Gillioz, Monett, (1) $0.45 (2) $0.40 (3) $2.50, $343,457. Noted June 22.

Missouri—State Hy. Dept. at div. office Carrollton, opened bids June 18, 12.211 mi. road from Ray Co. line to Chariton Co. line. State Aid Project 20.85, Carroll Co., (1) 33,492 cu.yd. earth excav., (2) 51,849 cu.yd. borrow, etc., from A. T. Cook, Ottawa, Kan., (1) $0.26 (2) $0.26, total, $31,136; Cameron-Joyce & Co., Keokuk, Ia., (1) $0.31 (2) $0.31, $35,462; C. T. Pemberton, Wakenda, (1) $0.33 (2) $0.32, $35,873. Noted June 8.

Missouri—State Hy. Dept. at div. office Cassville, opened bids June 9, 7.396 mi. road from Monett to Eureka Springs, Federal Aid Project 124, Barry Co., (1) 31,062 cu.yd. earth excav., (2) 4,889 cu.yd. borrow, (3) 51,802 sq.yd. gravel surfacing, etc., from Short & Bramer, Monett, (1) $0.35 (2) $0.35 (3) $0.23, total $45,696; M. E. Gillioz, Monett, (1) $0.35 (2) $0.35 (3) $0.35, $50,361; Sommerfield-Jones Co., Springfield, (1) $0.40 (2) $0.35 (3) $0.35, $50,805.

Missouri—State Hy. Dept. at div. office Fredericktown, opened bids June 16, 16.391 mi. road from Farmington to Frederickton and Greenville, Federal Aid Project 101 B, Madison Co., (1) 141,597 cu.yd. earth excav., (2) 5,256 cu.yd. rock excav., (3) 15,547 cu.yd. borrow, (4) 116,442 sq.yd. gravel surfacing, etc., from Riley & Bailey, International Life Bldg., St. Louis, (1) $0.36 (2) $1.75 (3) $0.36 (4) $0.30, $164,-344; Davis Constr. Co., Imboden, Ark., (1) $0.37 (2) $1.50 (3) $0.30 (4) $0.30, $165,-699; Hogan-Humphreys, Little Rock, Ark., (1) $0.375 (2) $1.90 (3) $0.35 (4) $0.28, total $167,170. Noted June 8.

Missouri—State Hy. Dept. at div. office Greenfield, opened bids June 15, 7.72 mi. road from Springfield to Lamar, Federal Aid Project 159, Sect. B, Dade Co., (1) 34,762 cu.yd. earth excav., (2) 5,769 cu.yd. borrow, etc., from A. T. Bramer & Son, Monett, (1) $0.32 per cu.yd. (2) $0.30, total $27,427; Hodges-Weeks, Springfield, (1) $0.40 (2) $0.40, $33,116; Miller Constr. Co., Springfield, (1) $0.43 (2) $0.43, $33,-602. Noted June 8.

Missouri—State Hy. Dept. at div. office Marble Hill, opened bids June 9, 10.045 mi. road from Wayne Co. to Cape Girardeau Co. lines, Federal Aid Project 174, Sect. A, Bollinger Co., (1) 40,627 cu.yd. earth excav., (2) 3,612 cu.yd. rock excav., (3) 23,777 cu. yd. borrow, etc., from W. A. Reynolds, Marble Hill, (1) $0.38 per cu. yd., (2) $1.75 (3) $0.38, total $69,467, M. E. Gillioz, Monett, (1) $0.40, (2) $1.75, (3) $0.35, $79,-464, Maloney & Whalen, St. Louis, (1) $0.45, (2) $1.65, (3) $0.40, $80,216; 8.499 mi. road from Wayne Co. to Cape Girardeau lines, Federal Aid Project 174, Sect. B, Bollinger Co., (1) 51,592 cu.yd. earth excav., (2) $8,609 cu.yd. rock excav., (3) 28,892 cu.yd. borrow, etc., from Genl. Constr. Co., Arcade Bldg., St. Louis, (1) $0.38, (2) $2, (3) $0.40, $88,179. M. E. Gillioz, Monett, (1) $0.40, (2) $1.75, (3) $0.35, $88,652. W. A. Ross, Kansas City, (1) $0.43, (2) $1.50, (3) $0.43, $94,613. Noted June 22.

Missouri—State Hy. Dept. at div. office Stockton, opened bids June 8, 10.416 mi. road from Springfield to Eldorado Springs, Federal Aid Project 74 A, Cedar Co., (1) 34,924 cu.yd. earth excav., (2) 931 cu.yd. rock excav., (3) 3,685 cu.yd. borrow, etc., from Easley Bros., Aurora, (1) $0.42 per cu.yd., (2) $2 (3) $0.42, total $32,500.

Missouri—State Hy. Dept. at div. office Unionville, opened bids June 9, 6.357 mi. road eastward and westward from Unionville, State Aid Project 20.167, Putnam Co., from Diemer-Williams Constr. Co., Brookfield, $18,964; Cameron-Joyce, Keokuk, Ia., $19,733; Coopers Constr. Service Co., St. Louis, $21,157. Noted June 15.

Tex., Groveton—Trinity Co. opened bids June 21, grading, gravel surfacing, etc., 16.3 mi. State Highway 19, Federal Aid Project 225, from Smith Bros., Crockett, $172,665; Cook & Arrington, Crockett, $183,063; Harris & Powell, Tyler, $187,799. Noted June 15.

Colorado—State Hy. Dept., Denver, concrete paving 4.405 mi. Lincoln Highway, State Rd. 9, Federal Aid Project 228, Logan Co., from La Nier, Selander & White, Ft. Morgan, $134,986, A. J. Collins, 2363 Blake St., Denver, $136,054, F. Dreher Constr. Co., 525 Cooper Bldg., Denver, $136,106; gravel surfacing 5.797 mi. Delta-Grand Junction Rd., Federal Aid Project 171, Delta Co., from Reeves & Cook, 2202 Adams Ave., Ogden, Utah, $49,693, H. L. Hoffman, 527 Mining Exch. Bldg., Denver, $51,244, Girardet & Hotchkiss Eng. & Constr. Co., Delta, $52,251.

Wash., Seattle—Opened bids June 23, grading, etc., West Marginal Way et al., (a) Proposition A, (b) Proposition B, from J. Mattson, Thompson Bldg., (a) $273,217, (b) $274,307; Puget Sound Bridge and Dredging Co., Central Bldg, (a) $289,475, (b) $283,405; D. H. Traphagen, Walker Bldg., (a) $303,543, (b) $305,543. Noted June 1.

Cal., San Diego—Paving Rosencrans, Dumas, Poe, Canon and Rogers Sts., from California Constr. Co., 528 Granger Bldg., 318,090 sq.ft. 5 in. concrete pavement at $0.252 per sq.ft., 138 lin.ft. 8 in. and 287 lin.ft. 6 in. concrete curbs $0.75, 5,705 sq.ft. oil gutters $0.06, etc., total $85,083; Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, $96,136; D. H. Ryan, 1615 Fern St., $96,381. Noted May 25.

Cal., Tracy—Improving 11th St., from J. E. Johnston, Stockton Savings and Loan Bank Bldg., Stockton, $84,701; Grant-Smith Co., Balboa Bldg., San Francisco, $105,554; P. H. Hoare, Hayward, $117,700. Noted June 22.

CONTRACTS AWARDED

Massachusetts—Paving 19,430 ft. State Highway in Haverhill and Merrimac, concrete, to Rowe Constr. Co., Malden, $189,-082; 20,000 ft. in Cummington and Goshen, bituminous macadam, to T. J. Quinn, Ashton, R. I., $221,952; 7,815 ft. in Windsor and Cummington, to Hanscom Constr. Co., 70 Kilby St., Boston, $119,803; 3,250 ft. in Burlington, gravel and light oil, to A. J. Mitchell, Inc., R. F. D., Cohasset, $4,936. Noted June 29.

N. Y., St. George—M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving roadway of Bradley Ave., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $68,095, Engrs. est., $70,000; roadway of Bay St. from Thompson St. to tracks of Staten Island Rapid Transit R.R. and Richmond Terrace from York St. to Sailors Snug Harbor Dock, to Brooklyn Manhattan Contg. Co., 26 Court St., Brooklyn, $270,-378 and $266,573 respectively. Noted June 22 and June 15.

New Jersey—State Hy. Dept., Trenton, paving State Highway Route 4, 8th Ave. and Deal Lake Dr., Asbury Park, and State Highway Route 7, Corlies Ave., Neptune Twp., Monmouth Co., to Standard Bitulithic Co., 50 Church St., New York, $45,154. Noted June 8.

Pa., Ebensburg—Bd. Supervs. Lower Yoder Twp., c/o Controller Cambria Co., reconstructing 3,578 ft. St. Clair Rd., 18 ft., to G. T. Morgan, Johnstown, $37,521. Noted June 1.

Pa., Mercer—For 2,500 ft. concrete pavement on East Butler St., to Jamieson & Marell ,Mercer, $26,312.

Pa., Phila.—To Barber Asphalt Paving Co., Land Title Bldg., paving Louden, Tower, Opal, Water and Woodlawn Sts., $29,828, Abington and Godfrey Aves., Bonsall and Hope Sts., $27,200; to Citroni & Mezzola, 703 South Broad St., 22nd St., $41,574, Delaware Ave., $153,904; to A. J. Henderson, 72nd and Ognotz Aves., Banes St., $12,422; to J. Devlin, Jr., Real Estate Trust Bldg., paving and building concrete wall at Belsalem Ave. Bridge, $11,348. Noted June 29.

W. Va., Clarksburg—Comrs. Harrison Co., paving 0.78 mi. Sycamore and Hickman Sts., to W. Allen, Clarksburg, $24,296; Terra Cotta, Park, Orchard and Jarvis Sts., to T. Keenan, Clarksburg, $24,649. Noted May 4.

Streets and Roads (Continued)

Fla., West Palm Beach—Paving Dist. 2, Sects. B and D, 8,488 lin.ft. concrete curb and gutter, 24,631 sq.yd. rock, 2,740 sq.yd. concrete 6,407 cu.yd. grading, 24,631 sq.yd. surface oiling, to Maule Paving Co., West Palm Beach, $51,128; Dist. 2, Sects. A and C, 8,488 lin.ft. concrete curb and gutter, 24,600 sq.yd. rock, 6,407 cu.yd. grading, 24,600 sq.yd. surface oiling, to Greynolds & Monroe, West Palm Beach, $45,618.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Ashland Co., Sect. "E" Mansfield-Wooster Rd., 3.468 mi., brick, to F. J. Mann & Sons, Ashland, $147,-351; Columbiana Co., Sect. "F-1" Youngstown-Lisbon Rd., 2.324 mi., brick, to R. W. Miller Contg. Co., 3 South Side Savings Bank Bldg., Youngstown, $92,243; Huron Co., Sect. "R" Sandusky-Columbus Rd., 1.717 mi., brick, to Wise Bros. and Burman, Elmore, $50,414; Jefferson Co., Sect. "Brilliant South" Ohio River Rd., 0.902 mi., brick, to H. M. Bates, Steubenville, $39,961; Jefferson Co., Sect. "Brilliant South" Ohio River Rd., 0.902 mi., (federal aid does not participate), brick, to H. M. Bates, Steubenville, $16,243; Jefferson Co., Sect. "P" Ohio River Rd., 1.776 mi., brick, to H. M. Bates, Steubenville, $84,987; Morgan Co., Sect. "I" McConnelsville-New Lexington Rd., 2.061 mi., asphaltic macadam, to S. W. Wrightsel Co., Logan, $62,991; Morrow Co., Sect. "J" Marion-Galion Rd., 2,233 mi., asphaltic macadam, limestone base, to Marifield & Uncapher, Marion, $67,540; Putnam Co., Sect. "N" Lima-Ottawa Rd., 2.718 mi., Kentucky rock asphalt, to Acton Bros., Vaughnsville, $60,575; Madison Co., Sect. "C" Plain City-Dublin Rd., constructing concrete girder bridge, to Bennett & Drum, Celina, $5,141. Noted June 29.

Ohio—Dept. Highways and Pub. Wks., grading, bridging and paving 4.075 mi. Sect. A Cincinnati-Brookville Rd., Hamilton Co., to Gadison Constr. Co., Cincinnati, $181,335. Noted June 22.

O., Akron—M. P. Tucker, dir. Pub. Serv., grading, paving and laying sidewalks on Fultz St. from Manchester Rd. to Hite St. and Eastern alley from Ellwood Ave. to west end, to McAlonan Bros., 506 Woodland Ave., $13,008 and $4,351 respectively; Fernwood Dr. from Work Dr. to Shadeside Ave., to T. E. McShaffrey Constr. Co., 71 South Forge St., $6,428; Bellows St. from Cole Ave. to Firestone Blvd., to Columbus Asphalt Paving Co., 304 Buckeye Bldg., $15,755. Noted June 29.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, curbing, laying water mains and paving Pine St. from Sycamore to Siebert Sts., 1,679 ft. long, 26 ft. wide, asphalt, to A. G. Pugh, 401 Commerce Bldg., $27,467; Lazelle St. from Frankfort St. to Reinhard Ave., 1,280 ft. long, 22 ft. wide, asphalt, to Franklin Asphalt Paving Co., 209 South High St., $15,728; Bonham Ave. from 9th St. to Cleveland Ave., 825 ft. long, 26 ft. wide, brick, to R. J. Deinst, 480 South 5th St., $17,499; Winthrop Rd. from High St. to Olentangy Blvd., 1,924 ft. long, 24 ft. wide, asphalt, to B. F. Patterson, 1214 Neil Ave., $32,891; alley north of Buttles Ave., from alley west of Neil Ave. to Harrison Ave., 636 ft. long, 20 ft. wide, concrete, to Yale Constr. Co., 1050 Medill St., $3,752; alley north of Chittenden Ave., from Indianola Ave. to the alley west of Summit St., 478 ft. long, 20 ft. wide, concrete, to R. J. Dienst, 480 South 5th St., Columbus, $2,987; alley west of Harrison Ave. from 3rd to 4th Aves., 633 ft. long, 20 ft. wide, concrete, to Yale Constr. Co., 1050 Medill St., $3,672; alley north of Mithoff St. from Jaeger to Bruck Sts., 732 ft. long, 18.42 ft. wide, concrete, to R. J. Dienst, 480 South 15th St., $4,382; Parsons Ave. from Livingston Ave. to a point 150 ft. north of Kian Ave., 10,540 ft. long, 44 ft. wide, trinidad asphalt, to R. B. Sheridan, 1801 Roxbury Rd., $134,375.

O., Columbus—Franklin Co., grading and paving 4.16 mi. Babbitt Rd., Plain Twp., to T. D. Van Camp, 84 Nims Bldg., $92,070; 5.43 mi. Walker Rd., Norwich and Brown Twps., to E. D. Lawrence, Hilliards, $93,447. Noted June 29.

Michigan—State Hy. Dept., Lansing, grading and surfacing 6.242 mi. Federal Aid Project 44, Sects. C and D, Lenawee Co., to Rockford Constr. Co., Rockford, O., incl. 23,275 cu.yd. excav. $0.58, 82.3 cu. yd. 1:2:4 and 49.4 cu.yd. 1:3:6 concrete $13, 2,067 sq.yd. 7 in. pavement and 65,439 sq.yd. 8 in. pavement $1 and $1.08 respectively, etc., total $91.552; 20.086 mi. State Trunk Line Rd. 26-1, Houghton Co., to Houghton Co. Rd. Comn., Houghton, incl. 811.1 sta. grading $5, and 248.3 sta. $3.25, 14,207 ton stamp sand surface $1.80, 10,757 ton $1.32, 9,923 ton $1.44, $10,669 ton $0.90, total $81,401; 5.97 mi. State Trunk Line Rd. 18-5, Sect. B, Gladwin Co., to A. Jeffrey, Saginaw, $48,991; 5.473 mi. State Trunk Line Rd. 18-17, Gladwin Co., to Gladwin Constr. Co., Gladwin, $47,116; 1.228 mi. State Trunk Line Rd. 20-20, Midland Co., to Geneva Constr. Co., North Bradley, $22,488 plus state cement, $10,153. Noted June 8 and 15.

Michigan—State Hy. Dept., Lansing, grading and surfacing 6.06 mi. Federal Aid Project 78, to Midland Contg. Co., Midland, incl. 31,827 cu.yd. excav. $0.50, 96 cu. yd. 1:2:4 concrete $11, 158.6 cu.yd. 1:3:6 concrete $11.50, 31,111 sq.yd. rein.-con. pavement $1.42, total $180,738, also 4.519 mi. Federal Aid Project 77, Saginaw Co., 35,007 cu.yd. excav. $0.50, 74.8 cu.yd. 1:2:4 and 90.9 cu.yd. 1:2½:5 concrete $11.25, 75.5 cu.yd. 1:3:6 concrete $11.75, 46,825 sq.yd. bituminous pavement $2.10, total $132,658.

Michigan—State Hy. Dept., Lansing, grading and surfacing 7.383 mi. Federal Aid Project 72, Sects. A and B, Cheboygan Co., to W. T. Hill, East Tawas; Sect. A, incl. 11,924 cu.yd. excav., $0.45, 100.6 cu.yd. 1:2:4 and 48.3 cu.yd. 1:3:6 concrete, $15, 20,944 sq.yd. gravel, $0.60, Sect. B, 41,359 cu.yd. excav., $0.42, 109.4 cu.yd. 1:2:4 and 55.7 cu.yd. 1:3:6 concrete, $15, 48,160 sq. yd. gravel, $0.42, total $65,013; 4.516 mi. State Trunk Line Rd. 46-7, Sect. A, Gratiot Co., to F. Haskens, Mt. Pleasant, $30,809; 1.001 mi. State Trunk Line Rd. 31-11, also 1.754 mi. State Trunk Line Rd. 31-5, Huron Co., to Shulz & Liken, Sebewaing, $15,079 and $28,673 respectively; 4.479 mi. State Trunk Line Rd. 19-13, Macomb Co., to Palma Constr. Co., Ypsilanti, incl. 236.2 sta. grading, $25, 97.6 cu.yd. 1:2:4 and 110 cu.yd. 1:3:6 concrete, $15, 52,481 sq.yd. rein.-con. pavement, $1.53, total $90,347.

Mich., Gross Pointe Farms (Detroit P. O.)—Paving Oak St. and Moran Rd., to V. Teetaert, Grosse Pointe, incl. 6,650 cu.yd. excav. $0.60, 12,150 lin.ft. curbing $0.62, 16,225 sq.yd. pavement, total $54,598. Noted Aug. 18.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, grading, paving and building sewers in Blaine Pl., North Francisco, North California, North Fairfield, North Talman and North California Aves., North Mozart, Argyle and Ainslee Sts., to White Constr. Co., 17 North La Salle St., $200,000. Noted May 25.

Ill., Sterling—Grading, curbing and concrete paving 12,000 yd. various streets, to F. G. Giffron, Sterling, $32,010. Noted June 1.

Wis., Madison—Paving various streets with oil asphalt, to Butler Constr. Co., Waukesha, $37,000.

Ia., Adel—Dallas Co., grading 4.985 mi. Primary Rd. Project 196-B, east and south through Redfield, 70,638 cu.yd. excav., to C. O. Mitchell, Des Moines, $0.259 per cu yd. Noted June 8.

Ia., Cherokee—Cherokee Co. grading 13.47 mi. Sects. A and C, Primary Rd. Projects 151, north and south of here, 86,890 cu.yd. excav., to England & England, Murdo, S. D., at $0.249 per cu.yd. Noted June 1.

Ia., Corning—Adams Co. grading 13.765 mi. Federal Aid Project 152 from here east to Union Co. Line, 212,096 cu.yd. excav., to Peterson, Shirley & Gunther, Woodmen of the World Bldg., Omaha, Neb., at $0.215 per cu.yd. Noted May 18.

Ia., Iowa City—Grading, curbing and paving Muscatine Ave., to Moore-Young Constr. Co., Waterloo, 7,600 cu.yd. earth excav. $0.70 per cu.yd., 8,875 ft. 24 in. curb and gutter, $1.05, 13,350 sq.yd. concrete pavement $2.59. Noted May 4.

Ia., Primghar—O'Brien Co., grading 11.-291 mi. Sects. A, C and D, Primary Rd., Project 69, to Hartman & Peterson, Laurens, 49,473 cu.yd. excav., $0.219 per cu.yd.; W. W. McCollough, Graettinger, 31,078 cu.yd. $0.219 and 10,392 cu.yd. $0.278. Noted June 8.

Ia., Rock Rapids—Lyon Co., grading 10.997 mi. Primary Rd. Project 146, excavation to C. W. McNamara, Bristol, S. D., 82,366 cu.yd. excav. $0.217 per cu.yd.; 8 mi. County Rd. System, to Ira Cox, Sioux Falls, S. D., 36,860 cu.yd. at $0.21 and 17,903 cu.yd. $0.23. Noted June 8.

Ia., West Union—For 46,000 sq.yd. 7 in. vibrolithic concrete pavement, reinforced with mesh, to A. Carlson, Marshalltown, at $2.58 per sq.yd., total $122,000; curbing to Stark-Schneider, Cedar Rapids, $39,000. Noted June 1.

Minn., Fairmont—Paving 14 blocks, concrete, to F. D. Gould, Fairmont, at $2.19 per sq.yd. Noted May 18.

Minn., Mankato—For (a) 21,425 sq.yd. street paving, (b) 2,645 sq.yd. vitr. brick for laying between car tracks, (c) 20,000 sq.yd. paving in alleys, to Schruth Welsh Co., 704 1st Natl. Soo Line Bldg., Minneapolis, (a) and (b) $3.53 (c) $1.94. Noted May 25.

Minn., Wells—Paving 19,670 sq.yd. various streets, 7 in. concrete, to Miller & Hutchinson, Lamoure, N. D., $2.28 per sq. yd. Noted June 15.

Minn., Worthington—Nobles Co., gravel surfacing 14 mi. Job 2204, State Rd. 4, to S. J. Peterson, 300 West Lake St., Minneapolis, $17,270. Noted May 25.

Neb., Kearney—Improving 14 blocks East 26th and East 27th Sts., Avenues A and E. to E. D. Tyner Constr. Co., 14th and Elmwood Ave., Kansas City, Mo., 22,375 sq.yd. asphalt at $2.55 per sq.yd., 4,500 cu.yd. grading $0.50, 1,400 lin.ft. curb and gutter, $0.55, total $64,024. Engrs. est. $68,524.

South Dakota—State Hy. Comn., Madison, grading 6.7 mi. Federal Aid Project 87, Lake Co., to Tobin & Maloney, Madison; 100 ft. concrete viaduct, to Schreiber Eng. & Constr. Co., Watertown. Noted April 13.

S. D., Redfield—State Hy. Comn., at Redfield, grading 14 mi. Federal Aid Project 84 and 14 mi. on Federal Aid Project 94, to Peterson, Shirley & Gunther, 1102 W. O. W. Bldg., Omaha, Neb.; 60 ft. pony truss, to Iowa Bridge Co., 712 Hubbell Bldg., Des Moines, Ia.; 30 ft. I beam, to Waite Constr. Co., Redfield. Noted April 13.

S. D., Yankton—J. W. Summers, city clk., grading, paving and curbing various streets, incl. 57,806 sq.yd. concrete, 6,227 lin.ft. integral curb, to M. L. Flinn Paving Co., 214 Grain Exch. Bldg., Sioux City, Ia., $2.04 per sq.yd. for paving. Noted June 8.

Tex., Dallas—Dallas Co. grading, surfacing, etc., 19 mi. Seagoville Rd., to Scarbrough & Davis, 100 Gaston Bldg., $164,938. Noted June 22.

Tex., Paris—Lamar Co. paving with 6 in. concrete, 6 mi. State Highway 5, Federal Aid Project 295 and 4 mi. State Highway 19, to J. C. Field & Co., Denison, $143,616 and $93,787 respectively $2.41 per sq.yd. Noted June 29.

Wash., Seattle—Grading and paving Corson Ave. et al., 27,000 cu.yd. earthwork and subgrading, 8,200 lin.ft. concrete curb, type A, 16,800 sq.yd. 7 in. concrete, 2,525 sq.yd. two-course concrete walks, to J. B. Covelo, 1510 16th St., $73,316.

Wash., Seattle—King Co., paving 4.38 mi. Orilla-Kent Rd. along west side White River Valley, to Albertson, Cornell Bros. & Walsh, Provident Trust Bldg., Tacoma, $138,500. Engrs. est. $142,732. Noted June 22.

California—State Hy. Dept., Sacramento, grading 8.5 mi. and concrete paving 5.1 mi. highway between westerly boundary and San Luis Creek, Merced Co., to Pacific Constr. Co., Kennedy and Boehmer Sts., Oakland, 70,800 cu.yd. excav. at $0.72 per cu.yd., 7,750 cu.yd. Class A Portland cement concrete pavement $8.47, 160 cu.yd. Class A Portland cement concrete(culverts and monuments) $25, etc., total $125,587; concrete paving 12.2 mi. highway between San Luis Creek and Los Banos, Merced Co., to Blanco & Taylor, Vallejo, 61,200 cu.yd. excav. $0.80, 18,500 cu.yd. Class A Portland cement concrete pavement $8.40, 391 cu.yd. Class A Portland cement concrete (culverts and monuments) $22.50, etc., total $216,-551. Noted May 25.

California—State Hy. Dept., Sacramento, grading and rein.-con. paving 10.7 mi. highway between Upton and Shasta River, Siskiyou Co., to Kaiser Paving Co., Oakland, $163,934.

California—State Hy. Dept., Sacramento, constructing 4.29 mi. state highway between Willow Brook and 1 mi. south of Petaluma, Div. 4, Route 1, Sect. C, Sonoma Co., to A. G. Raisch, San Francisco, $25,885; constructing 5.8 mi. highway between Irvine and Tustin, Div. 7, Route 2, Sect. C, Orange Co., to G. H. Oswald, 405 O. T. Johnson Bldg., Los Angeles, 10,950 cu.yd. Class A Portland cement concrete at $3.95, 590 cu. yd. removal of broken concrete in existing base, $2.50, total $44,728. Noted May 18.

Cal., El Monte—Grading and oiling various streets, from Oswald Bros., 366 East 58th St., Los Angeles, $85,506; W. E. Hall, Riverside, $86,266.

Cal., Merced—Supervs. Merced Co., improving British Colony Rds., to J. J. McHugh, Foxcroft Bldg., San Francisco, $79,-949. Noted June 1.

Cal., Modesto—To Standard Paving Co., 9th and N Sts., improving 5th St. between F and H Sts., 48,282 sq.ft. grading, at $0.05 per sq.ft., 45,620 sq.ft. 1½ in. warrenite

Streets and Roads (Continued)

on 2½ in. asphaltic concrete, $0.17, 2,661 sq.ft. gutter, $0.20, 1,767 lin.ft. curb, $0.70, etc., Sycamore Ave. between Needham and Stoddard Aves., 58,134 sq.ft. grading, $0.05, 54,461 sq.ft. 1½ in. warrenite on asphaltic concrete, $0.17, 3,672 sq.ft. concrete gutter, $0.20, 2,302 lin.ft. concrete curb, $0.70, etc. Noted June 8.

BRIDGES

Cal., San Bernardino—Bd. Supervs. San Bernardino Co., curbing, guttering, culverts, and paving with 4 in. concrete, 17,750 ft. Hellman Ave., et al., to H. H. Lienau, 426 Brookside Ave., Redlands, $108,000. Noted June 15.

Cal., San Diego—Bd. Supervs. San Diego Co., paving with 5 in. concrete, 5.92 mi. Mission Rd., 18 ft., to H. H. Peterson, Loma Portal, $96,084. County furnishes rock and cement.

Industrial Works

PROPOSED WORK

Mass., Holyoke—Farr Alpaca Co. plans 70,000 spindle cotton mill. Engineer not announced.

Conn., Hartford—H. A. Sillence, 19 Adelaide St., soon lets contract 4 story, 50 x 60 ft., brick and concrete garage and storage building, plain foundation. $40,000. Toole & Katzenstein, 252 Asylum St., archts.

N. Y., New York—Street & Smith, 79 7th Ave., soon takes bids 9 story, publishing plant, brick, steel and stone, plain foundation, 147 West 15th St. H. O. Chapman, 334 5th Ave., archt. and engr.

N. Y., New York—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., withdrew bids which were to be opened June 23, repair shop, 16th St. and Ave. C, for Dept. Street Cleaning. Will readvertise. Private plans. Noted June 15.

Pa., Franklin—Atlantic Refining Co., Franklin, plans to rebuild refinery recently destroyed by fire. $100,000.

Pa., Mercer—Elliott-Blair Co., East Market St., plans large addition to steel plant. $250,000.

Md., Frostburg — Frostburg Sewer Pipe Co., Inc., plans large plant, in northern section of city. $200,000. Architect not announced.

Ga., Macon—Case-Fowler Lumber Co. plans to rebuild lumber mill recently destroyed by fire. $70,000. Private plans.

La., New Orleans—Ford Motor Co., Highland Park (Detroit P. O.), had plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 1 and 2 story, rein.-con. and brick factory, plain foundation, North Peters St., here. $100,000.

O., Akron—M. O'Neil of General Tire & Rubber Co., had plans prepared by Walker & Weeks, archts., 1900 Euclid Ave., 2 story, 96 x 163 ft. brick, steel and concrete garage and service station, plain foundation, West Market St. $75,000.

O., Cleveland—Bd. Educ. having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 4 story, 100 x 200 ft. brick, steel and concrete, plain foundation, East 63rd St. and Waterman Ave. $275,000. F. G. Hogen, dir.

O., Cleveland—See "Buildings."

O., Lima—Pure Oil Co., East Kibby St., plans large warehouse on 2½ acre site, South Metcalfe St. Architect not announced.

Wis., Appleton—G. R. and S. Motor Co., 738 Washington St., plans 1 story, 32 x 100 ft., brick and concrete garage, plain foundation. Architect not selected.

Wis., Boscobel—C. P. and H. F. Miller Co. having plans prepared, 2 story, 50 x 95 ft. garage and repair shop, brick and rein.-con., plain foundation. $40,000. Private plans.

Wis., Rice Lake—Making plans, new power plant, electric distribution system, etc. $75,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engr.

Wis., Sheboygan—Keil Oil Co., c/o W. G. Keil, 1516 North 9th St., plans 1 story, 60 x 90 ft., filling station and garage, brick and rein.-con., plain foundation. $40,000. Architect not selected.

Tex., Burkburnett—Bradford Supply Co., 130 Main St., Bradford, Pa., plans large warehouse and machine shop on 5 acre tract, here. Engineer not announced.

Tex., Denison—Missouri, Kansas & Texas R. R., soon takes bids for shop buildings, incl. round house, machine shops, store room, etc., here. $800,000. Address F. K. Tutt, Denison, mechanical supt.

Tex., McLean—See "Waterworks."

Wash., Everett—City plans to form improvement district to finance construction of bridge over Snohomish River. $180,000.

Wash., Wenatchee—Moorhead & Farrell plan car icing and cold storage plant. $250,000.

N. S., Halifax—Premier Paper & Power Co., 91 Hollis St., plans paper mill about 35 mi. from here. $1,500,000. G. F. Hardy, 309 Bway., New York City, engr.

Ont., Stamford—Culp Paper Co., Rochester, N. Y., purchased site and plans to build plant on Winery Rd., here. To exceed $40,000.

B. C., New Westminster — New Westminster Paper Mills Ltd., plans factory on Indian Reserve, near here. $100,000. A. Onkels, dir. Engineer not announced.

BIDS DESIRED

N. Y., New York—July 14, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., housing station, 132nd St. west of Willow Ave., Bronx, for Dept. Street Cleaning.

Va., Richmond—News Leader Publishing Co., 9 North 8th St., taking bids 4 story, 90 x 140 ft. plant, rein.-con., 4th St. near Grace St. $300,000. Baskerville & Lambert, Travelers Bldg., archts.

O., Ada—July 10, (change of date) by Ohio Northern University, 45 x 75 ft., rein.-con. power house. C. C. Carpenter, Ada, engr. Noted June 22.

O., Cleveland—Standard Envelope Co., 1011 Oregon Ave., taking bids 1 story, 155 x 200 ft. brick, steel and concrete factory. $150,000. J. H. Altman, pres. Christian, Schwarzenberg & Gaeda, 1900 Euclid Ave., archts. Noted May 18.

Mich., Detroit — A. Kahn, archt., 1000 Marquette Bldg., taking bids and opens same about July 20, 4 story, 95 x 259 ft. rein.-con. and brick factory, plain foundation, Clark and Jefferson Aves., for Studebaker Corp., Brush and Piquette Aves.

Wis., Delavan — July 11, by State Bd. Control, Madison, 2 story, 75 x 90 ft., brick, rein.-con. and steel laundry, plain foundation. $50,000. A. Peabody, Capitol, Madison, archt.

Wis., Milwaukee—Lesser & Schutte, archts., 82 Wisconsin St., taking bids 2 story, 40 x 114 ft., brick and concrete laundry addition, plain foundation, Ogden Ave., for Standard Victoria Steam Laundry, 69 Ogden Ave.

Minn., Minneapolis—July 10, by A. L. Westernhagen, mgr. Western Newspaper Union, 200 North 3rd St., 2 story, 46 x 134 ft. rein.-con. and brick printing plant and office, 316 8th Ave. S. $100,000. Magney & Tusler, 126 South 9th St., archts. Noted April 6 under "Buildings."

BIDS RECEIVED

N. Y., Brooklyn—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, opened bids June 26, housing station, Atlantic Ave. between Utica and Schenectady Aves., here, for Dept. Street Cleaning, from J. Young, Jr., 103 Park Ave., New York, $61,578; Rosenthal Engr. Contg. Corp., 228 Jackson St., $62,720; H. A. and R. J. Moore, $63,775. Noted June 22.

CONTRACT AWARD

Mass., Rockland—H. B. Vesper, Buick Agency, 243 Union St., 1 story, 100 x 120 ft., rein.-con., brick and steel garage and service station, plain foundation. West Water and Union Sts., to H. J. Beals, Rockland. Archts. est. $40,000.

Mass., Williamsett—Palmer Steel Co., 316 High St., Holyoke, 1 story, 80 x 329 ft., brick and steel plant, plain foundation, along railroad tracks, here, to D. O'Connell & Sons, 480 Hamden St., Holyoke. Archts. est. $75,000. Noted May 4.

N. Y., Brooklyn—Buick Motor Co. and Oakland Motor Car Co., 1733 Bway., New York, 6 story, brick and concrete automobile service station, 11th Ave. between 55th and 56th Sts., here, to Thompson-Starrett Co., 49 Wall St., New York

Pa., Altoona—Confederated Home Abattoirs Corp., 123 Willow Ave., 3 story, 80 x 140 ft. plant, Eldorado Rd., to L. R. Mathieu Constr. Co., 302 Grant Ave. Noted May 18.

Va., Danville—Dan River Cotton Mills, 4 story, 148 x 300 ft. bleachery and finishing plant, to J. P. Pettyjohn & Co., Lynchburg, $450,000.

O., Cleveland—A. P. and M. J. Herr, 3618 West 25th St., 1 story, 45 x 52 ft., brick and steel garage and store, 2600 Riverside Ave., to Decker Realty Co, 3110 West 25th St. Archts. est. $40,000.

O., Lakewood (Cleveland P. O.)—Shore Acres Land Co., c/o G. H. Ingraham, archt., 1127 Guardian Bldg., Cleveland, 1 story, 72 x 135 ft. and 60 x 105 ft. brick and steel garage and commercial building, plain foundation, Detroit and Warren Aves., here, to J. C. Schafer, 12005 Osceola Ave., Cleveland. Archts. est. $60,000.

O., Newton Falls — Newton Steel Co., Youngstown, 1 mill, here, mill work to Hyde Park Fdry. Co., Hyde Park, Pa., structural steel work, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Noted May 25 under Newton Falls, Pa.

Ill., Chicago—E. Edelmann & Co., c/o P. S. Klafter, archt., 64 West Randolph St., 2 story, 150 x 250 ft. factory, rein.-con., brick and steel, Logan Blvd. and Holly Ave., to Paschen Bros., 111 West Washington St. Archts. est. $250,000. Noted June 22.

Wis., Madison—Madison Drug Co., 604 University Ave., 4 story, 50 x 120 ft. brick and rein.-con. warehouse, plain foundation, Blount St., to J. H. Findorff Co., 601 West Wilson St. Engrs. est. $150,000.

Wis., Milwaukee—Sewerage Comm., 508 Market St., superstructures of power house and boiler plant, brick and steel, to P. Riesens Sons, 1018 Humboldt Ave., $211,890. Noted June 15.

Minn., Minneapolis—Bd. Park Comrs., general contract 3 story, 43 x 144 ft., brick and tile shops and warehouse, to Madson Constr. Co., 848 Builders Exch. Bldg., $41,430. Noted June 29.

Neb., Humboldt—See "Miscellaneous."

Cal., Colusa—California Prune & Apricot Growers Assn., San Antonio and Market Sts., San Jose, 1½ story, brick and frame cannery, to J. L. Webster, Chico, $80,000. Noted June 22.

Buildings

PROPOSED WORK

Me., Lewiston—Gymnasium—Bates College plans 2 story, brick, concrete and steel, on Campus. $400,000. Coolidge & Carlson, 89 State St., Boston, archts. Noted April 20.

Mass., East Boston (Boston P. O.)—Grammar School—City Schoolhouse Dept., 1009 City Hall, Boston, plans 20 room, brick, Emerson Dist. $475,000. Architect not selected.

Mass., Swampscott—Church—First Congregational Church plans 1 story, brick and stone, $200,000. Architect not selected.

Mass., West Rutland—Office, etc.—Rutland Worsted Co. plans 2 story office and recreation building, 30 room hotel, tenement house and new reservoir. $150,000. A. F. Griffin, pres. Architect not announced.

Mass., Worcester — Church — Trinity Church, 650 Main St., plans 1 story, brick and stone. $150,000. Architeect not selected.

Mass., Worcester—School—St. Casimirs Lithuanian Church plans 3 story, brick, Waverly St. $150,000. J. J. Jakaitis, 41 Providence St., pastor. Architect not announced.

Conn., Berlin — High School — Plans 2 story high school. $150,000. B. R. Showalter, supt. of schools. Architect not selected.

Conn., Glastonbury—High School—High School Building Com. plans 2 story, brick and steel. $150,000. Brooks & Glazier, Lewis and Gold Sts., Hartford, archts.

Conn., Groton—Home—Odd Fellows Home having plans prepared by Whiton & McMahon, archts., 36 Pearl St., Hartford, 3 story, 37 x 150 ft. with 37 x 66 ft. ell, brick and steel. $250,000. Noted Nov. 17.

Conn., Hartford—Gymnasium—Bd. Trustees, Trinity College, plans 2 story, brick and steel, Campus. $300,000. Architect not selected.

N. Y., Batavia — Hotel — Mulner Hotel Corp., c/o M. Mulner, pres., plans large modern hotel. To exceed $150,000. Architect not announced.

N. Y., Ithaca—Social Center and Recreation—Cornell University plans social and recreation building. $1,000,000. O. Farrand, pres.

N. Y., New York—Apartment—Old Colony Apartments Corp., c/o L. F. Peck, archt. and engr., 101 Park Ave., having plans prepared 11 story, 59 x 76 ft., brick, steel and stone, plain foundation, 124 East 40th St. $275,000.

N. Y., New York—Office—M. M. Glaser, 1133 Bway., soon takes bids converting hotel into office building, Bway. and 44th St. $300,000. M. Zipkes, 432 4th Ave., archt. and engr.

Buildings (Continued)

N. Y., New York—School and Convent—St. Agatha Roman Catholic Church, c/o Helmle & Corbett, archts. and engrs., 132 West 42nd St., having plans prepared, brick, steel and stone, plain foundation, 7th Ave. and 46th St. $300,000.

Pa., Ambridge—Memorial—Civic Organizations headed by A. B. Dunn, of Bldg. Com., plans memorial building. Cost between $100,000 and $150,000. Architect not announced.

Pa., Bradford—Church—First Methodist Church, 87 High St., having preliminary plans prepared by E. B. Green, archt., 75 Niagara St., new church here. $150,000. L. O. Langworthy, treas.

Pa., Harrisburg — Hotel — Harrisburg Hotel Co., 3rd St., having plans prepared by W. L. Stoddart, archt., 9 East 40th St., New York, 13 story, brick, steel and stone, plain foundation, 3rd St.

Pa., Johnstown—School—Bd. Educ., c/o O. P. Thomas, having plans prepared by P. Campbell, archt., Park Bldg., 2 story, 122 x 153 ft., brick and tile, in Southmont, near here. $200,000.

Pa., Meadville—Home—I. O. O. F. having plans prepared by W. H. Crosby, archt., Masonic Bldg., Oil City, 2 story, orphans home, brick and steel. $200,000.

Pa., Pittsburgh—Store and Office—Donahoe Co., Inc., 31 Terminal Bldg., having plans prepared by W. E. Snaman, archt., Empire Bldg., 3 story, 30 x 100 x 116 x 120 ft. brick, steel and tile, Diamond St., near Market St. $350,000.

Pa., Sharon—High School—Bd. Educ. having plans prepared by Taylor & Hanna, archts., Sharon, new high school. $440,000. Noted May 11.

D. C., Wash.—Apartment-Hotel—Burlington Hotel Co., 1120 Vermont Ave., N. W., having plans prepared by Sonneman & Justeman, archts., Davidson Bldg., for apartment hotel. $460,000.

W. Va., Charleston—Store and Apartment—J. P. Stotter, 4319 Prospect Ave., having revised plans prepared by M. H. White, archt., Schofield Bldg., 3 story, 100 x 253 ft., brick, steel and terra cotta. $300,000.

W. Va., Wheeling—Business—J. Sentlinger, Jr., 1109 Market St., plans 15-20 story, rein.-con., brick and steel, Market St. $1,000,000. Architect not announced.

N. C., Raleigh—Dormitories—Bd. Trustees Methodist Orphanage plans 2 or 3 brick dormitories. $200,000. J. L. Borden, Goldsboro, trustee. Architect not announced.

N. C., Wilmington—Hotel—Hotel Corp., R. Moore, pres. and mgr., 125 Princess St., receiving competitive plans for hotel. $800,000. Noted April 27.

Ga., Atlanta—Market — Capitol City Building & Market Co., 603 Chandler Bldg., had plans prepared 1 story, 35 x 230 ft., rein.-con. brick and steel, rock foundation, Peachtree and Cain Sts. $250,000. G. C. Gibson, 603 Chandler Bldg., engr. Robert & Co., Atlanta, archts. Noted April 6.

Ala., Montgomery—Schools—July 10, to vote on $1,000,000 bonds for new schools. J. M. Garrett, member of Bd. Educ.

La., Gretna — Schools — Jefferson Parish voted $400,000 bonds to build 5 schools and repair existing schools; J. C. Ellis, Metairie Ridge, New Orleans, secy. Jefferson Parish School Bd. Noted May 11.

O., Bellaire—Bank and Office—Natl. Bank of Bellaire having plans prepared by F. F. Farris, archt., Wheeling Steel Bldg., Wheeling, W. Va., 8 story, 40 x 120 ft., brick, terra cotta and steel, 32nd and Belmont Sts. $400,000.

O., Cleveland—Apartments—L. Abrams Co., Engineers Bldg., plans two 3 story, brick and steel, plain foundation, Euclid Ave. and Ford Drive. $250,000. Architect not selected.

O., Cleveland—Commercial and Apartment—L. B. Koblitz of the Cleveland Builders Supply and Brick Co., Leader News Bldg., plans 3 story, 150 x 200 ft. brick and steel, Euclid Ave. and Eddy Rd. $200,000. Architect not selected.

O., Cleveland—Sanitarium—City plans 3 story, brick, steel and concrete, plain foundation, Warrensville Farm. $295,000. R. Perkins, City Hall, welfare dir. Architect not selected.

O., Columbus — Hotel and Apartment — Columbus Merrill System Co., 501 Brunson Bldg., plans 6 or 7 story, East Broad St. $250,000. C. L. Imcho, pres.

O., Columbus—Office—United Commercial Travelers Assn., Russell and Park Sts., having plans prepared by T. D. McLaughlin, archt., Savings Bldg., Lima, 3 story, North Park St. $250,000.

O., Granville—Chapel—Denison University (Ambrose Swasey Endowment), Denison, having plans prepared by A. W. Brunner, archt., 101 Park Ave., New York, 1 story, brick, steel, stone and concrete, here. $300,000.

O., Lakewood (Cleveland, P. O.)—Apartment—H. Laten, 1121 East 98th St., Cleveland, having plans prepared by M. Weis, archt., Union Bldg., Cleveland, 3 story, 112 x 125 ft., brick and steel, plain foundation, Lake Ave. near Hird Ave., here. $150,000.

O., Newcomerstown—High School—Bd. Educ. having plans prepared by J. Q. Adams, archt., Southern Hotel, Columbus, 2 story, 120 x 137 ft., brick and concrete. $150,000.

O., West Park—Church and School—St. Vincent De Pauls Catholic Parish, 1107 Superior Ave., Cleveland, plans 1 and 3 story, brick, steel and concrete, Lorain Ave. and West 130th St., here. $200,000. M. J. Fannigan, pastor. Architect not selected.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story, 151 x 205 ft. rein-con., brick and steel, plain foundation, Brooklyn and Canfield Aves. $150,000.

Ill., Chicago—Apartment—Grossman & Prosskauer, archts., 127 North Dearborn St., preparing plans 7 story, 100 x 150 ft., rein.-con., brick and steel, 418-26 Diversey Parkway. $900,000. Owner's name withheld.

Ill., Chicago—Theatre—Dayton Bros., c/o Orpheum Theatre, Kenosha, Wis., having plans prepared by C. W. and G. L. Rapp, archts., 190 North State St., 3 story, rein.-con., brick and steel, Water and Genesee Sts., here. $250,000.

Ill., South Chicago (Chicago P. O.)—Bank—Union State Bank of South Chicago, plans 2 story, 50 x 140 ft., rein.-con., brick and steel, Houston Ave. and 92nd St. $250,000. Archtect not selected.

Ill., South Chicago (Chicago P. O.)—Hospital—South End Hospital Assn., 11212 South Michigan Ave., plans 4 and 5 story, 125 x 149 ft., rein.-con., brick and steel. $800,000. E. E. Hall, 123 West Madison St., Chicago, archt.

Wis., Clinton—High School—Bd. Educ. having plans prepared by E. Tough, archt., 24 East Mifflin St., Madison, 2 story, 78 x 90 ft., brick, rein.-con. and stone, plain foundation. $150,000. Noted June 29.

Wis., Madison—Church—First Methodist Church, c/o O. W. Taylor, pastor, Wisconsin and Dayton Sts., having plans prepared by Tallmadge & Watson, archt., 189 West Madison St., Chicago, 2 story, 75 x 180 ft., brick, rein.-con. and stone, plain foundation. $160,000. Noted June 8.

Wis., Madison—Store—The University Co-op. Co., 506 State St., having plans prepared by J. R. and E. J. Law, archts., Strand Theatre, 3 story, 30 x 180 ft., brick, rein.-con., steel and stone, plain foundation, State St. $150,000.

Wis., Milwaukee—Apartment—O. Brachman, 425 East Water St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St., 3 story, brick and concrete, plain foundation, Grand Ave. and 23rd St. $150,000.

Wis., Milwaukee—Store—E. Schuster & Co., 12th and Vliet Sts., plans 150 x 170 ft., brick and concrete addition, plain foundation. Architect not selected.

Wis., Sheboygan—Theatre and Office—E. R. and T. M. Bowler, Bodenstein Bldg., had plans prepared by E. A. Juul, archt., Imig Bldg., 2 story, 70 x 240 ft., brick, rein.-con. and steel, plain foundation, 8th St. $150,000.

Minn., Albert Lea—Bank and Office—Albert Lea State Bank, having plans prepared by Amer. Bank Builders, archts., 126 South 9th St., Minneapolis, 4 story, 44 x 122 ft. rein.-con., brick and tile. $150,000. A. C. Erickson, pres.

Minn., Duluth — Apartments — Fleisher Constr. Co., 608 Builders Exch., Minneapolis, having plans prepared by D. A. Rose, archt. and engr., 500 Builders Exch., Minneapolis, 2 apartments, 3rd St., here. $200,000 each.

Minn., Minneapolis — Lodge — Cataract Lodge 2, A. F. & A. M., c/o J. A. Jenson, chn. building com., 20 University Ave. S. E., having plans prepared by Fallows & Huey, archts., 501 New York Life Bldg., 3 story, steel trusses, limestone exterior, Bank St., near University Ave. S. E. $225,000.

Tex., Dalhart—Courthouse—Dalham Co. voted $150,000 bonds for courthouse. J. M. Reese, co. judge.

Tex., Orange—School—School Bd. had plans prepared by C. H. Page & Bro., archts., Austin Natl. Bank Bldg., Austin, (Anderson School), 3 story, 103 x 148 ft., rein.-con., tile and brick. $160,000.

ROAD WORK—BERKELEY SPRINGS, W. VA.

Following are lowest bids opened by Comrs. Morgan Co., June 12, for constructing Paw-Paw-Great Cacapon Rd., Cacapon Dist., (A) W. J. & J. T. Gephart, Williamsport, Pa. (awarded contract); (B) Bester-Long Co., Hagerstown, Md.; (C) McClure & Bingner, Johnstown, Pa. The unit bids were as follows:

	A	B	C
54,000 cu.yd. unclassified excavation	$0.55	$0.625	$0.76
11 cu.yd. Class A concrete	22.00	20.00	18.00
260 cu.yd. Class B concrete	17.00	16.00	16.00
30 cu.yd. Class C concrete	14.00	14.00	15.00
300 lb. plain steel bars	.06	.06	.06
400 sq.ft. expanded metal	.05	.15	.05
150 lin.ft. stone underdrain	.75	.25	.25
150 lin.ft. 4 in. vitrified pipe underdrain	.85	.50	.65
700 lin.ft. 12 in. reinforced-concrete pipe	2.00	2.40	2.25
1,000 lin.ft. 15 in. reinforced-concrete pipe	2.25	2.75	2.50
400 lin.ft. 18 in. reinforced concrete pipe	2.75	3.50	3.00
150 lin.ft. 24 in. reinforced concrete pipe	4.25	4.00	4.00
100 cu.yd. overhaul (per 100 ft.)	.05	.05	.02
2,900 cu.yd. broken stone base course	3.50	3.00	2.75
21,000 sq.yd. waterbound macadam surface course	.70	.65	.50
100 lin.ft. wire rope guard rail	.75	.75	.55
10,000 gal. bituminous material for cold application	.17	.15	.12
250 tons broken stone cover coat	3.75	2.50	3.25
Extended totals	$68,015	$69,763	$72,440

TUNNEL—SAN FRANCISCO, CAL.

Bids were opened by Bd. Pub. Wks., San Francisco, June 21, for constructing Pulgas Tunnel, Hetch Hetchy Project, Contr. No. 85, from (A) Grant-Smith Co., Balboa Bldg.; (B) Utah Constr. Co., Phelan Bldg.; (C) F. Rolandi, 550 Montgomery St.; (D) Construction Co. of North America, Mills Bldg. (Contractors all of San Francisco). The unit of bids were as follows:

	A	B*	C	D
8,500 lin.ft. concrete lined tunnel	$62.00	$567,375.00	$75.00	$69.35
3,500 lin.ft. permanently timbered tunnel	18.00	45,500.00	6.00	20.25
500 cu.yd. excavation in tunnel and shaft	5.00	1,500.00	4.00	7.00
500 cu.yd. concrete in tunnel and shaft	20.00	1,330.00	13.50	16.00
Constructing one air shaft (lump sum)	1,500.00	1,160.00	4,000.00	1,610.00
15,000 cu.yd. earth excavation in open cut	.75	.60	1.00	2.50
2,000 cu.yd. rock excavation in open cut	1.75	1.25	2.50	3.50
750 lin.ft. 10-ft. 3-in. rein. conc. pipe	50.00	68.50	42.00	48.20
1,000 lin.ft. concrete in canal lining	20.00	23.58	15.00	16.00
100 cu.yd. mass concrete, miscellaneous structures	20.00	23.58	20.00	28.00
100 cu.yd. rein. concrete, miscellaneous structures	25.00	23.58	22.00	30.00
50 cu.yd. for embankment	1.00	.60	.80	2.00
200 bbl. extra cement	4.50	5.23	4.50	4.00
10,000 lb. reinforcing steel	.05	.06	.06	.04
20,000 lb. placing metal work (furnished by city)	.02	.03	.05	.06
Extended totals	$683,050	$710,582	$744,850	$779,300

*Total bid submitted on first five items

Buildings—(Continued)

Tex., San Antonio—Schools—Voted $2,000,000 bond issue for new schools and improvements to existing schools. F. Hargis, pres. school board. Noted June 15.

Wash., Seattle—Office—D. Horton Estate, New York Blk., having plans prepared by J. Graham, archt., L. C. Smith Bldg., for (first unit), 12 story, 120 x 127 ft., 3rd and Cherry St., to be followed by second unit 14 story, 108 x 120 ft. Each unit will contain 500 rooms and five stores. $2,500,000.

Cal., Alameda—Apartment—A. A. Cantin, archt., 68 Post St., San Francisco, preparing plans 3 story, frame and brick veneer, San Jose Ave. $150,000. Owners name withheld.

Cal., Sacramento — Office — California State Life Insurance Co., Forum Bldg., having plans prepared by G. C. Sellon & Co., archts., Mitau Bldg., Stockton, 10 story, 100 x 100 ft., granite and terra cotta, 10th and J Sts. $1,000,000. Noted April 27.

Cal., Sanger—Jail—See "Sewers."

Ont., Weston—School—School Bd. plans 2 story, 8 room, concrete, brick and steel. $150,000. Architect not selected.

BIDS DESIRED

Conn., Derby—Theatre, etc.—I. J. Hoffman, Capitol Theatre, Ansonia, taking bids 2 story, 65 x 200 ft. brick, concrete and steel, Elizabeth St. $250,000. E. C. Horn & Son, 1476 Bway., New York, archt. Noted April 28.

Conn., New Britain—Trade School—E. C. Goodwin, chn. building com., taking bids 3 story, 72 x 198 ft. brick and steel, South Main St. $150,000. M. J. Unkelbach, 162 Main St., archt. Noted June 8.

N. Y., New York—Apartment—Lash Realty Co., Inc., c/o M. B. Adler, archt. and engr., 236 West 55th St., 5 story, 100 x 175 ft., brick, steel and stone, plain foundation, West 153rd St. $200,000. Work will be done by separate contracts.

N. Y., Brooklyn—High School—July 12, by C. B. J. Snyder, supt. of School Buildings of Bd. Educ., Concord St., New Utrecht High School, 79th and 80th Sts. from 16th to 17th Aves.

N. Y., New York—Hospital—Hospital for Joint Diseases, 124th St. and Madison Ave., receiving bids and opens same about July 15. 3 story, brick, steel and stone addition, plain foundation. Buchman & Kahn, 56 West 45th St., archts. and engrs. Noted April 20.

N. Y., New York—Museum—July 20, by Park Bd. at office of Dept. Parks, Municipal Bldg., new wing to be known as southeast wing and court building known as Hall of Ocean Life incl. passage to connect court building to southeast wing, for Amer. Museum of Natural History, Manhattan Sq. Bids will also be received for plumbing work, ventilating and humidifying apparatus and steam heating and fume removal apparatus, etc. F. D. Gallatin, pres.

N. Y., New York—Store—July 11 (change of date), by Starrett & Van Vleck, archts. and engrs., 8 West 40th St., 9 story, brick, steel and stone, concrete foundation, 5th Ave. and 50th St., for Saks & Co., Bway. and 33rd St. $2,000,000. Noted June 22.

N. J., Fairview—Mausoleum—Mausoleum Co. of America, c/o G. B. Webb, archt. and engr., 469 5th Ave., New York, granite and marble, plain foundation, here. Archts. est. $200,000. Work will be done by separate contracts under supervision of architect. Noted Nov. 3.

Pa., Phila. — Lodge — Platt & Talley, archts., 1627 Sansom St., taking bids 3 story, 77 x 88 ft. and 35 x 95 ft. brick, steel and stone, plain foundation, Roxboro St., for I.O.O.F. Lodge 66, Roxboro St. $200,000.

Pa., Phila.—Office—Reformed Church of America, 15th and Race Sts., and Marshall & Fox, archts., 721 North Michigan Ave., Chicago, receiving bids 13 story, 120 x 150 ft. brick, steel and stone, plain foundation, 15th and Race Sts. $800,000.

N. C., Charlotte—Hotel—July 15, by J. H. Little, pres. Citizens Hotel Co., 10 story, concrete and steel. $750,000. Noted June 22.

N. C., Rosewood—High School—July 19, by A. H. Edgerton, chn. Bd. Educ., Goldsboro, brick high school, here, for Bd. Educ. Fork Twp. $150,000. G. L. Preacher & Co., Raleigh, and Healy Bldg., Atlanta, Ga., archts.

O., Cleveland—Apartments—July 10, by Aaron Realty Co., 201 Ulmer Bldg., two 4 story, 38 x 60 ft. brick and timber, plain foundation, 1641 East 77th St. $160,000. A. Sogg, 319 Hippodrome Bldg., archt.

O., Cleveland—Apartment, etc.—A. W. Harris, archt., Discount Bldg., taking bids 2 and 6 story, brick, steel and concrete, apartment hotel, store and office building, for Riverview Impvt. Co., Discount Bldg., $750,000.

O., Cleveland—Church—W. C. Jansen, archt., Electric Bldg., taking bids 1 story, 100 x 200 ft. brick, steel and stone, plain foundation, East 109 St. and St. Clair Ave., for St. Aloysius Roman Catholic Church, c/o F. A. Malloy, pastor, 10932 St. Clair Ave. $200,000. Noted Feb. 9.

O., Cleveland—Medical School, etc.—July 12, by Western Reserve University, 10940 Euclid Ave. and Coolidge & Shattuck, archts., 122 Ames Bldg., Boston, Mass., 1, 3 and 4 story, brick, steel and concrete medical school, power house and animal hospital, plain foundation, Adelbert and Abington Rds. $1,750,000. Noted Feb. 9.

Mich., Saginaw — School — July 12, by Secretary Bd. Educ., 2 story, 22 room, rein.-con., brick and steel, plain foundation. $250,000. J. F. Beckbissinger, 114 South Jefferson Ave., archt.

Ill., Chicago—Apartment—D. J. Schaffer, archt., 139 North Clark St., receiving bids 3 story, 84 x 137 ft., rein.-con., brick and steel, Kedzie and Dickens Aves., $150,000. Owner's name withheld.

Ill., Chicago—Apartment—D. J. Schaffner, archt., 139 North Clark St., receiving bids 3 story, 100 x 125 ft., rein.-con., brick and steel, Rockwell and Schubert Aves. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—J. H. Klafter, archt., 127 North Dearborn St., receiving bids 3 story, 93 x 125 ft., rein.-con., brick and steel, Douglas Blvd. and Albany Ave., for Steinman & Larner, c/o architect. $150,000.

Ill., Chicago—Store and Apartment—Rissman & Hirschfield, archts., 139 North Clark St., receiving bids 3 story, 150 x 150 ft., rein.-con., brick and steel, Irving Park Blvd. and Hamilton Ave., for F. W. Dobe, c/o architects. $200,000.

Ill., Chicago—Store and Office—B. Friedman, 1210 Independence Blvd., receiving bids 2 story, 69 x 237 ft., rein.-con., brick and steel, North Blvd. and Park Pl. $175,000. B. J. Bruns, 1548 Belmont Ave., archt.

Neb., Lincoln—Capitol—July 20, by S. A. McKelvie, chn., State Capitol Comn., State Capitol Bldg., constructing superstructure of first section of capitol. G. E. Johnson, secy. B. G. Goodhue, 2 West 47th St., New York, archt. Former bids rejected. Noted June 1.

Ont., Renfrew—Collegiate—July 18, by S. T. C. Chown, chn. Bd. Educ., 3 story, 81 x 160 ft. rein.-con., brick and steel. $200,000. S. B. Coon & Son, 4 St. Thomas St., Toronto, archts. Noted April 6.

CONTRACTS AWARDED

Me., Portland—High School—Deering High School Comn., 3 story, 70 x 400 ft. brick, steel and concrete, plain foundation, Presumpscot Park, to F. T. Ley & Co., Inc., 499 Main St., Springfield. Archts. est. $611,857. Noted May 4.

Mass., Pittsfield—Bank—Berkshire Loan & Trust Co., 24 North St., 1 story, brick, stone and marble, plain foundation, to J. R. Hampson, 14 Taylor St. Archts. est. $175,000. Noted May 11.

Mass., South Hadley—Science—Mount Holyoke College, 2 story, brick, stone and steel, on campus, to Casper Ranger Constr. Co., 20 Bond St., Holyoke. Archts. est. $300,000. Noted July 31.

N. Y., Albany—Restaurant and Office—Childs Co., 200 5th Ave., New York, 6 story, brick, steel and stone, plain foundation, here, to J. Dyer, Jr., 6 South Pearl St. Noted June 22.

N. Y., Long Island City—Schools—Bd. Educ., 500 Park Ave., New York, P. S. 69, Polk Ave. and P. S. 19, 41st and Lake Sts, brick, steel and stone, plain foundation, here, to Putnam Constr. Co., 303 5th Ave., New York, $414,000 and $418,000 respectively. Noted June 22.

N. Y., New York—Church—St. Lukes Evangelical Lutheran Church, c/o E. W. Tilton, archt. and engr., 147 East 45th St., 4 story, brick and stone, plain foundation, 45th St. between 9th and 10th Aves., to F. G. Fearon, 280 Madison Ave. Archits. est. $150,000.

N. Y., New York—Loft—Brown Brand Realty Co., c/o G. and E. Blum, archts. and engrs., 505 5th Ave., 6 story, 25 x 100 ft. brick, steel and stone, 17 East 53rd St., by day labor. Archts. est. $200,000.

N. Y., New York—Loft—H. Wolf Estate, c/o W. Higginson, archt. and engr., 15 Park Row, 2 story, 80 x 220 ft. brick, steel and stone, West 26th St., to Rheinstein & Hass, 21 East 40th St. Engrs. est. $150,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., P. S. 80, East 120th St., to T. A. Clarke Co., 122 Livingston St., Brooklyn, $487,300. Noted June 29.

N. J., Bordentown—School—State Comr. of Educ., Trenton, alterations and additions to Manual Training and Industrial School, 2 story, 39 x 90 ft., general contract to Carroll & Pullen, Branch Ave, Princeton, $96,000. Noted June 15.

N. J., Elizabeth—Hospital—Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York, brick, steel and stone, plain foundation, here, to H. Wilhelm Sons, 803 East Jersey St., for Elizabeth Genl. Hospital. Archts. est. $600,000. Noted Jan. 19.

Pa., Connellsville—Church—First Methodist Episcopal Church, brick, rein.-con. and masonry contracts, to J. F. Trumpey, Somerset. Archts. est. $175,000. Noted April 20.

Pa., Nazareth—School—Bd. Educ., brick, steel and stone, plain foundation, to A. G. Stoudt & Son, Inc., Bethlehem. Engrs. est. $180,000. Noted May 25.

Pa., Pittsburgh—Apartment—J. M. A. Addy, 10 story, 44 x 99 ft., rein.-con., brick and steel, 112-114 Sheridan Ave., to Toupet Building Co., 5814 Ellsworth Ave. Archts. est. $150,000.

Pa., Pittsburgh—School—Bd. Educ., general contract for 2 story addition to school, Davis Ave., to Pittsburgh Eng. & Constr. Co., 711 Homewood Ave. Engrs. total est. $150,000.

N. C., Winston-Salem—High School—Mayor, concrete and brick work for Skyland High School, to F. J. Blum under supervision of C. M. Crawford, supt. construction. $110,000. Noted May 18.

Ga., Atlanta—Apartment—J. H. Whisenant, 885 Highland Ave., will build 6 story, 135 x 200 ft., tile and brick, on 13th St., by day labor. $150,000-$175,000. E. C. Sieg, Atlanta, archt.

O., Cleveland — Apartment — Terrill & Wensley, c/o M. Weis, archt., 618 Union Bldg., 3 story, 64 x 182 ft., brick and timber, plain foundation, 14600 Euclid Ave., to M. Rosen, 2322 East 61st St. Archts. est. $160,000.

O., Conneaut—High School—Bd. Educ., 2 story, brick, steel and concrete, to H. C. Miller, Erie, Pa., $139,996. Noted May 18.

Ill., Chicago—Apartment—H. F. Bloomfield, 118 North La Salle St., 3 story, rein.-con., brick and steel, 70th Pl. near Crandon St., to Welch-McCarthy Constr. Co., 56 West Washington St. Archts. est. $650,000.

Ill., Chicago—Apartment—M. B. Flynn, c/o E. P. Rupert, archt., 19 South La Salle St., 3 story, 145 x 164 ft., rein.-con., brick and steel, South Shore Dr. and 72nd St., to A. T. Herlin, 6117 Evans Ave. Archts. est. $225,000. Noted June 15.

Ill., Chicago—Apartment—F. P. Jackson, c/o L. C. Bouchard, archt., 30 North Dearborn St., 10 story, 102 x 230 ft., rein.-con., brick and steel, 3318-26 Sheridan Rd., to Schmidt Bros. Constr. Co., 22 East Huron St. $1,500,000.

Ill., Chicago — Apartment-Hotel — Shelbourne Apartment-Hotel Corp., c/o W. P. Doerr, archt., 28 East Jackson Blvd., 16 story, 140 x 170 ft., rein.-con., brick and steel, Hyde Park Blvd. and 53rd St., to Mueller Constr. Co., 179 West Washington St., $2,000,000.

Wis., Mazomanie — High School — Bd. Educ. rejected bids and will build 2 story, 69 x 105 ft., concrete, brick and steel, plain foundation, by day labor. $150,000. Balch & Lippert, Gay Bldg., Madison, archts.

Minn., Stillwater—Schools and Gymnasium—Bd. Educ., 3 story, 82 x 144 ft. addition and 2 story, 71 x 112 ft. gymnasium, both rein.-con., brick, tile and stone, to O. H. Olsen, Stillwater, $147,904.

Tex., Mexia—High School—General contract 2 story, brick, stone and rein.-con., containing 600,000 cu. ft. floor space, to Sloan & Spoontz, Ft. Worth, $150,000; heating and power to Modern Plumbing & Heating Co., Denison, $24,096. Noted Feb. 9.

Wash., Seattle—Apartment—L. C. Trouthon, c/o J. A. Creutzer, archt., Leary Bldg., 6 story, 100 x 150 ft. rein.-con. and steel, East Howell and Belmont Sts. to Pacific States Constr. Co., Colman Blk. $225,000. Archts. est. $210,000.

Cal., Long Beach—Bank and Office—Farmers & Merchants Bank, 3rd and Main Sts., Los Angeles, 10 story, 54 x 100 ft. brick and steel, 3rd and Pine Sts., here, to J. V. McNeil, H. W. Hellman Bldg., Los Angeles, $255,000.

Buildings—Continued)

Cal., **Los Angeles**—High School—Bd. Educ., Security Bldg., 2 story, rein.-con. and brick, Boyle Heights, to K. R. Bradley, 1925 East 16th St., $307,157.

Cal., **Redondo Beach**—Office and Store—J. E. Forbes, 2 story, 100 x 600 ft., rein.-con., to Prudential Eng. & Constr. Co., 616 Consolidated Realty Bldg., Los Angeles. Archts. est. $200,000.

Cal., **San Francisco**—Apartment—B. Fair, c/o E. E. Young, archt., 251 Kearney St., 6 story, concrete and steel, Baker and Green Sts., to M. A. Little, 805 Bush St., $150,000.

Cal., **Santa Barbara**—Hotel—Mission City Hotel Co., 4 story, 115 x 180 ft., State St., to United Constr. Co., Baker-Detwiler Bldg., Los Angeles. Archts. est. $250,000.

Que., **Notre Dame de Grace**—School—Protestant Bd. School Comrs., Belmont St., 4 story, 70 x 224 ft. rein.-con., brick and steel, to P. Lyall Constr. Co., 5000 Western Ave., $238,435. Noted April 20.

Federal Government Work

PROPOSED WORK

Md., Annapolis—Deferrization Plant, etc.—Spec. 4682—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans deferrization plant at high power radio station, here.

Cal., Mare Island—Circulating Loop—Spec. 4684—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans circulating loop, here.

Cuba, Guantanamo—Distilling Plant—Spec. 4683—Bureau Yards & Docks, Navy Dept., Wash., plans distilling plant, here.

BIDS DESIRED

N. Y., New York—Dredging—August 7, at Office U. S. Engineer, 710 Army Bldg., 39 Whitehall St., dredging and rock removal in Bronx River; adv. this issue.

Ala., Montgomery—Steel Hull—July 31, at Office U. S. Engineer, 1 steel hull for dipper dredge Upatoi; adv. this issue.

Tenn., Memphis—Refrigerating and Ice-Making Plant—July 15, at Office Mississippi River Comn., 1st and 2nd Dists., Customhouse, 1 Marine type refrigerating and ice-making plant; adv. this issue.

O., Fairport—Breakwater Extension—July 27, at Office U. S. Engineer, Buffalo, N. Y., rubble mound east breakwater extension in harbor, here; adv. this issue.

BIDS RECEIVED

D. C., Wash.—Boiler—Dept. of Agriculture, 300 hp. Sterling water tube boiler, from Standard Eng. Co., 2129 I St., N. W., (a) $13,670 (b) $8,700 (c) $5,600; Casey & Co., 3207 14th St., N. W., (a) $13,900 (b) $8,304 (c) $5,596; McClintock Bros., (a) $14,020 (b) $11,659 (c) $2,361.

D. C., Wash.—Conveyor System—Post Office Dept., for conveyor system, from S. Olsen, Chicago, Ill., $55,000 deduct $950 for U. S. Belting; Mathews Gravity Carrying Co., Elwood City, Pa., $42,000 alternate $40,700 for Goodyear belting; Standard Conveyor Co., St. Paul, Minn., $53,812.80 plus $2,086 for automatic take-off, plus $1,353 for Crocker-Wheeler motors, deduct $249 if Westinghouse motors are used, deduct $1,428.30 if Goodyear Belting is used.

D. C., Wash.—Guard House—Constructing Quartermaster, Munitions Bldg., guard house at Walter Reed Hospital, here, from Boyle-Robertson Constr. Co., Evans Bldg., $26,267; A. H. Rogers, Colorado Bldg., $26,500; H. C. Ball Constr. Co., Dist. Natl. Bank Bldg., $27,622.

D. C., Wash.—School—Constructing Quartermaster, 2306 Munitions Bldg., 19th and B Sts., Army Medical School, at Walter Reed Hospital, here, (1) work complete, from Boyle-Robertson Co., Evans Bldg., (1a) $431,557 (300 days) (1b) $429,557 (1c) $427,557 (1d) $427,557 (2) $2,809 (3) $4,000 (4) add $968 (5) $2,300 (6) $6,894 (7) $2,800 (8) $1,228 (9) $1,495 (10a) $12.15 (10b) $13.50 (10c) $1.50 (10d) $77 (10e) $2.16 (10f) $0.75 (10g) $0.40 (10h) $0.90; P. F. Gormerly, Union Trust Bldg., (1a) $429,853 except refrigeration 10 months (2) $4,500 (5) 2,300 (6) $5,000 (7) $3,985 (8) $2,795 (9) $1,300; G. A. Fuller & Co., Munsey Bldg., (1a) $440,000 (240 days) (1b) $440,000 (1c) $440,000 (1d) $440,000 (2) $2,500 (3) $4,000 (4) add $1,000 (5) $2,400 (6) $5,000 (7) $3,985 (8) $2,795 (9) $1,300. Noted June 1.

Mo., Jefferson Barracks—Hospital—Treas. Dept., Wash., D. C., construction U. S. Veterans Hospital, here, from J. Stewart & Co., Inc., 30 Church St., New York, $779,350, Westlake Constr. Co., Ry. Exch. Bldg., St. Louis, $787,000, W. M. Sutherland, 4412 Lindell Blvd., St. Louis, $814,900, mechanical equipment for above, from W. Wilby, Selma, Ala., $307,976, S. Faith & Co., 2427 Pennsylvania Ave., Phila., Pa., $311,000, J. A. McBride, 1607 Olive St., St. Louis, $316,000.

California—Roads—Bureau Pub. Rds., 881 Mills Bldg., San Francisco, grading and building structures on 10.4 mi. Big Bear Valley Rd., in Los Angeles National Forest (1) using concrete pipe, (2) corrugated pipe, from Utah Constr. Co., Phelan Bldg., San Francisco, (1) $246,388 (2) $237,799; Johnson Contr. Co., Lumber Exch. Bldg., Portland, Ore., (1) $273,382 (2) $255,782; C. H. and A. W. Gorrill, Oakland (1) $304,417 (2) $294,922. Noted June 8.

CONTRACTS AWARDED

N. J., Manasquan—Radio Compass Station—Spec. 4663—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio compass station, here, to N. B. Smyth, Inc., 417 East 34th St., New York, $4,900 (60 days). Noted June 15.

Pa., Phila.—Removal etc.—Spec. 4670—Bureau Yards & Docks, Navy Dept., Wash., D. C., removal and relocation inflammable storehouse, here, to C. Gilpen, 911 Harrison Bldg., $20,948 (75 days).

D. C., Anacostia—Repairs—Spec. 4648—Bureau Yards & Docks, Navy Dept., Wash., repairs to barracks, here, to A. H. Rogers, Colorado Bldg., $13,000 (90 days). Noted June 8.

Miscellaneous

PROPOSED WORK

Generator and Transmission Line—Cumnock, N. C.—Rocky River Power & Light Co., High Point, had plans prepared and soon takes bids installing 500 kw. generator on Rocky River, and 12,000 volt transmission line from Rocky River plant to Cumnock. W. E. Woody pres. Mees & Mees, Charlotte, engrs.

Electric Distribution System—Rice Lake, Wis.—See "Industrial Works".

Transmission Line—Basin, Wyo.—Midwest Refining Co., Greybull, and City of Basin, plan 66 mi. transmission line from Cody Dam to Greybull and from Greybull to Basin. $50,000.

Seawall—Aransas Pass, Tex.—Attorney General's Dept., Austin, approved $213,000 bond issue for seawall. Address Mayor.

Tunnel—Denver, Col.—Moffatt Tunnel Dist. soon takes bids 6 mi. tunnel, 24 ft. high, 16 ft. wide, under James Peak, $6,700,000. L. B. Blauvelt, State Capitol Bldg., ch. engr.; Moffatt Tunnel Comm.

Gas Main Extensions, etc.—Lodi, Cal.—Sacramento Gas Co., 21 South School St., plans additional mains and extensions, additional storage capacity and pressure boosting apparatus. $35,000.

BIDS DESIRED

Borings—Long Island City, N. Y.—July 14, by Transit Comn., 49 Lafayette St., New York, land and river borings along Roosevelt and 40th Aves. and in Flushing River, Boro of Queens, Agreement "BW." G. McAneny, chn.

Structural Steel—New York, N. Y.—July 11, by Bd. Purch., Municipal Bldg., structural steel to Dept. Plant & Structures. G. A. Whalen, comr.

Switch Board, etc.—Atlantic Highlands, N. J.—July 11, by mayor and Boro Council, installing 6-panel switch board, instruments, etc., and sinking 2 wells, each 18 in. in diameter, 110 to 125 ft. deep, two 400 gal. pumps. H. A. Kridel, clk.; adv. this issue.

Pier Building—Phila., Pa.—July 10, by F. H. Caven, dir. pub. wks., 1 story, pier building, Allegheny Ave. and Delaware River, also improving and enlarging Allegheny Wharf 127, for Dept. Wharves, Chestnut St. Pier. $100,000.

Asphalt, Gravel, etc.—Phila., Pa.—July 11, by F. H. Caven, dir. pub. wks., 13,000 ton asphalt surface and binder course, $26,000; 7,500 ton gravel, $15,000; 8,500 ton crushed stone $15,000; 3,000 bbl. cement $25,000; mixed concrete $7,500. F. C. Dunlap, City Hall, engr.

Wharf and Transit Shed Foundation—Tampa, Fla.—July 26, constructing rein.-con. wharf and transit shed foundation. R. D. Martin, city engr.; adv. this issue.

Retaining Wall—Sandusky, O.—See "Bridges under Ohio."

Stadium—Madison, Wis.—July 17, by University of Wisconsin, rein.-con. and steel addition to stadium and athletic field. $60,000. A. Peabody, 2114 Chadbourne Ave., engr.

Piping, etc.—Whitewater, Wis.—July 12, by State Normal School Bd., Madison, furnishing and installing (1) pipe work, etc., in new boiler and pump rooms, (2) concrete steam conduit, (3) smoke connections from boiler, (4) building foundation for boilers, etc. A. Peabody, 2114 Chadbourne Ave., Madison, engr.

Stone Crusher and Elevator—Preston, Minn.—July 18, by J. Dunford, aud. Fillmore Co., stone crusher and elevator, capacity not less than 12 ton nor more than 25 ton per hr., with portable bins from 12 to 18 yd.

Limestone—Montreal, Que.—July 8, 6,000 ft. limestone. L. O. Pion, purch. agt.

Electric Lighting System—Jersey City, N. J.—See "Streets and Roads."

BIDS RECEIVED

Ramp, etc.—Brooklyn, N. Y.—J. H. Delaney, comr. Docks, Pier "A" North River, New York, opened bids June 30, building ramp and dumping board at foot of West 23rd St., Coney Island Creek and completing dredging, here, from Riverside Contg. Co., 164 Montague St., $27,667; Shelbourne & Blake, $28,055; A. M. Hazell, Inc., 26 Cortlandt St., New York, $28,437. Noted June 22.

Underground Fire Alarm System—Brooklyn, N. Y.—T. J. Drennan, Fire comr., Municipal Bldg., New York, opened bids June 27, constructing portion of underground fire alarm system, here, from Crocker Natl. Fire Prevention Eng. Co., 22 West 30th St., New York, (a) $52,967; G. E. Eng. Co., 449 West 42nd St., New York, (a) $55,000, (b) $98,000; Hickey Contg. Co., 841 Bway., New York, (a) $57,255; Standard Underground Cable Co., 50 Church St., New York, (b) $89,228; J. Sugden Co., 110 5th Ave., New York, (b) $96,131. Noted June 8.

Miscellaneous Construction, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., opened bids June 29, miscellaneous construction and station finish for Rapid Transit Railroads in Boros of Manhattan, Bronx, Brooklyn and Queens, Agreement "BV," from E. Balaban, 51 East 42nd St., $10,835; C. Meads & Co., 217 West 14th St., $12,159, N. A. Deiser, 296 Fenimore St., Brooklyn, $16,145. Noted June 22.

Elevated Railway Equipment, etc.—Phila., Pa.—W. S. Twining, dir. Dept. Transit, 1112 Chestnut St. received low bid for Contr. 661 comprising 28 items of miscellaneous work necessary to complete construction and equipment of Frankford Elevated Ry. and Bustleton surface lines, incl. connection to the Market St. subway incline at Front and Arch Sts. from F. J. Boas Co., Commercial Trust Bldg., $534,180. Noted June 22.

CONTRACTS AWARDED

Athletic Field—New Britain, Conn.—Bd. Park Comrs., developing "Memorial Field," South End Park, incl. baseball field, football field, tennis court, track, etc., to Miller Bros., Bloomfield. Engrs. est. $50,000.

Asphaltic Cement—St. George, N. Y.—M. J. Cahill, pres. Richmond Boro, furnishing and delivering 400 ton Natural Lake asphaltic cement, to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $31 per ton; 400 ton oil asphaltic cement, to Standard Oil Co. of New York, 26 Bway., New York, $18.75. Noted June 22.

Foundation—Detroit, Mich.—Art Comn., 704 East Jefferson Ave., excav. work and concrete foundations for art institution, to A. J. McLean Co., 302 Bldg., $103,852. Noted June 29.

Stadium—Detroit, Mich.—University of Detroit, East Jefferson Ave., rein.-con. stadium, to Bryant & Detwiler Co., 2336 Dime Bank Bldg., $200,000.

Bulkhead—Chicago, Ill.—South Park Comrs., 57th St. and Cottage Grove Ave., bulkhead from opposite 11th Pl. to Randolph St., along easterly front of Grant Park, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave. Noted May 11.

Stadium—Chicago, Ill.—South Park Comrs., 57th St. and Cottage Grove Ave., stadium on Lake Front between Roosevelt Rd. and 16th St., to Blome-Sinek Co., 139 North Clark St. Noted Jnue 15.

Mill Elevator, etc.—Humboldt, Neb.—O. A. Cooper Mills, mill elevator, crib construction, and concrete and brick power plant, to Birchard Constr. Co., Terminal Bldg., Lincoln, $50,000.

Tunnel—San Francisco, Cal.—Bd. Pub. Wks., constructing Pulgas Tunnel, Hetch Hetchy Project, Contr., 85, to Grant-Smith Co., Balboa Bldg., San Francisco, $683,050. Noted June 29.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: July 11.

County Road Work

Newton, N. J.

Notice is hereby given that sealed bids will be received by the County of Sussex for the following work.

No. 1. Paving Fredon Newton Road. Estimated amount of surface pavement 7,800 sq.yd. reinforced concrete.

No. 2. Paving Branchville Dingmans Road. Estimated amount of surface pavement 10,983 sq.yd. reinforced concrete.

And opened and read in public at Freeholders Office, Newton, N. J., on July 11th, 1922, at ten-thirty (10:30) a.m., Standard Time.

"Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by Harvey Snook, County Engineer, and approved by the State Highway Commission, have been filed in the office of the said Engineer at Newton, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the Engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to The County of Sussex and must be accompanied by a Surety Company Certificate and a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The Standard proposal form is attached to the specifications, copies of which will be furnished on application to Engineer. The right is reserved to reject any or all bids.

"By order of the County of Sussex."
(Signed) WILLIAM S. VOUGHT, Clerk.

Bids: July 14.

Curb, Gutters and Sewers

Ann Arbor, Mich.

Sealed proposals will be received by the Board of Public Works, Ann Arbor, Michigan, through the City Clerk, on or before 7:30 p.m., Eastern Standard Time, July 14, 1922, for the construction of concrete curb and gutter in curb and gutter Districts Nos. 24 to 49 inclusive, also for the construction of lateral sewer in Lateral Sewer District No. 112 and for a storm sewer on Brooks St., from Pearl St. to Miller Ave. Approximate quantities are as follows:

53,200 lin.ft. combined curb and gutter.
680 lin.ft. 10 in. vitrified pipe.
1,200 lin.ft. 12 in. vitrified pipe.
1,240 lin.ft. 15 in. vitrified pipe.
250 lin.ft. 18 in. vitrified pipe.
480 lin.ft. 22 in. vitrified pipe.
2,000 cu.yds. excavation and backfilling.

Plans and specifications are on file in the City Engineer's Office. A certified check for 5% of the bid must accompany each bid as guarantee of good faith of bidder and the Board of Public Works reserves the right to reject any and all bids.

ISAAC G. REYNOLDS,
City Cerk.

OFFICIAL PROPOSALS

Bids: July 12.

Highway Work

Camden, N.J.

Notice is hereby given that sealed bids will be received by Charles F. Wise, Chairman of the Road Committee, for the construction of a portion of King's Highway, in the Township of Delaware, in the County of Camden, with a reinforced concrete surface estimated amount of concrete surface pavement required is 20,784 square yards and opened and read in public at the Court House, Camden, N. J., on Wednesday, July 12th, 1922, at a.m. Daylight Saving Time.

"Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by John J. Albertson, County Engineer, and approved by the State Highway Commission, have been filed in the office of the said engineer at the Court House, Camden, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to Charles F. Wise, Chairman of the Road Committee, and must be accompanied by a Surety Company Bid Letter and a Certified Check for not less than ten (10) per cent of the amount of bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

"By order of the Board of Chosen Freeholders,

FRED. W. GEORGE, Clerk.

Bids: July 21.

Steel and Concrete Bridge

Cobleskill, N. Y.

Sealed bids and proposals will be received by the undersigned, at the office of the Town Clerk, in the village and town of Cobleskill, N. Y., until one o'clock in the afternoon of July 21, 1922, at which time they will be publicly opened and read, for the building of a new steel and concrete bridge over the Cobleskill Creek, on the Barnerville-Howe Cave road in said town.

Plans and specifications of said bridge may be seen and examined at the office of the town clerk in said village and town, and also at the office of Lawyer Wright, Superintendent of Highways of Schoharie County, at Schoharie, N. Y.

The right to reject any and all bids is hereby reserved.

Dated June 27th, 1922.

HERBERT L. SWEET,
Superintendent of Highways.
LEWIS UTTER,
Supervisor.
WILLIAM H. WHITE,
Justice of the Peace.
WILLIAM H. GOLDING,
Justice of the Peace.
GEORGE CHICKERING,
Justice of the Peace.
LELAND C. JONES,
Justice of the Peace.
AURA J. BROWN,
Town Clerk of the Town of Cobleskill, N. Y.

OFFICIAL PROPOSALS

Bids: Aug. 4.

Bridge Superstructure, Machinery and Electrical Equipment

Seattle, Wash.

Sealed proposals will be received by the Board of Public Works of the City of Seattle, up to 10 o'clock a.m., Friday, August 4th, 1922, in room 234, County-City Building, for the fabrication and erection of the Super-structure, Machinery and Electrical Equipment of a Steel Bascule Bridge and two Side Spans over the West Waterway at West Spokane Street, under authority of Ordinance No. 43397.

The structure will comprise a double-leaf bascule span 288 feet center to center of trunnions, 2 approach spans each about 140 feet long and a steel girder span about 136 feet long. The width of the bascule span will be 45 feet center to center of trusses and of the side spans 52 feet center to center of trusses, and of the girder span about 40 feet.

No proposal will be considered except as same is made strictly in conformity with the advertisement therefor and upon the forms of proposals furnished by the Board of Public Works, bound together with the specifications, general clauses and form of contract which must be submitted unbroken and unaltered in every particular.

This improvement shall be made in accordance with the respective plans and specifications now on file in the offices of the Secretary of the Board of Public Works and the City Engineer, respectively.

The successful bidder will be required to file with the City Comptroller a bond in the sum specified in the specifications.

Each bid must be accompanied by money, a satisfactory surety company bid bond approved by the Mayor and City Comptroller as to sufficiency and the Corporation Counsel as to form, or a certified check payable to the order of the City Comptroller of the City of Seattle for a sum not less than five (5) per cent of the total amount of bid, and no bid will be considered unless so accompanied.

A deposit of Ten Dollars ($10.00) will be required for each set of plans and specifications, which will be returned upon return of the plans in good order.

Special attention of bidders is called to the State Law and City Charter regarding the number of hours constituting a day's work, minimum wage scale, American citizenship and heads of families.

The Board of Public Works reserves the right to reject any or all bids.

By order of the Board of Public Works.
C. B. BAGLEY,
Secretary.

First publication June 20, 1922.

Bids: July 19.

Turbine and Accessories

New Orleans, La.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans, up to 12 o'clock noon, Wednesday, July 19, 1922, for furnishing one 6,000 kw. turbine and accessories.

Specifications and blank forms of proposals may be obtained at Room 303, No. 526 Carondelet Street, New Orleans.

The right is reserved to reject any or all bids.

A. G. MOFFAT, Secretary
GEO. G. EARL, General Superintendent.
May 11, 1922.

OFFICIAL PROPOSALS

Bids: July 11.

Street Paving

Covington, Va.

Sealed proposals will be received by the Mayor of Covington, Va., up to 7:30 p.m. Tuesday, July 11th, 1922, at the Council Chamber, Masonic Building, Covington, for furnishing all labor and materials and constructing the following amount of Paving; approximate estimate:

4300 Cubic Yards Grading,
8480 Square Yards Sheet Asphalt, concrete base and 3 inch top,
1450 Square Yards Hill-Side Brick Paving, concrete case,
280 Square Yards Plain Vitrified Brick Paving, concrete base,
5050 Lin. Feet Plain Concrete Curb, 20 inches deep, set on Slag,
320 Lin. Feet Armored Circular Curb, 20 inches deep, set on Slag,
5350 Lin. Feet Concrete Gutter 18 inches wide,
92 Lin. Feet Concrete Gutter 24 inches wide,
244 Lin. Feet Concrete Margin Curb,
9 30-Inch Cast Iron Frames and Grates for Inlets,
60 Vertical Feet of Brick Work for Inlets,
220 Lin. Feet 12 in. T. C. Pipe Connecting Inlets.

Specifications and information concerning the work may be obtained on application to C. P. Barnett, Consulting Engineer, Covington, Virginia. A deposit of $5.00 will be required for each copy of specifications and on return of same the deposit will be refunded.

A certified check for $500.00 made payable to the order of B. R. Hoper, Mayor of Covington, Va., must accompany each bid.

The Town reserves the right to reject any or all bids. Bids will be made on a basis of cash payments for all work done.

C. P. BARNETT,
Consulting Engineer.

Bids: July 25.

Barge Canal Terminals

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, July 25, 1922, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

—1—

TERMINAL CONTRACT NO. 89

For paving a portion of the terminal site, constructing railroad and crane tracks, electrical work and details incidental thereto, at Syracuse.

Contract plans, sheets 1 to 4 inclusive.

—2—

TERMINAL CONTRACT NO. 90

For dredging a portion of the Henry Street slip at Gowanus Bay, Borough of Brooklyn, New York City.

Contract plans, sheet No. 1.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate at fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.
June 22, 1922.

Bids: July 10.

Equipment for New York Canals

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Monday, July 10, 1922, at which place and hour they will be publicly opened and read, for furnishing certain equipment for the New York State canals pursuant to the provisions of Chapter 532 of the Laws of 1922, as follows:

A—1—

CRESCENT POWER HOUSE,
COHOES, N. Y.

For furnishing and delivering two hydraulic turbines with governor equipment and extra parts for proposed power house at Crescent dam, Cohoes, N. Y.

Sheets 1 and 2 inclusive.

A—2—

CRESCENT POWER HOUSE,
COHOES, N. Y.

For furnishing two water wheel driven generators and other electrical equipment in the proposed power house at Crescent dam, Cohoes, N. Y.

Sheets 1 and 2 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantity, proposal blanks, forms of contract and bonds required, and other information for proposers, may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Eastern Division, Wedgeway building, Schenectady, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposit of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner, if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.
June 21, 1922.

Bids: July 15.

Reinforced Cement Concrete Pavement

Lynbrook, N. Y.

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Incorporated Village of Lynbrook, N. Y., for the construction of a reinforced cement concrete pavement on certain streets of the Village of Lynbrook until 3.00 P.M. on Saturday, July 15, 1922.

The Engineer's estimate of the quantities is as follows:

55,000 sq.yds. Reinforced Cement Concrete Pavement.
8 Standard Drainage Basins.
50 lin.ft. Additional depth of Drainage Basins.
16 Catch Basins.
250 lin.ft. 8-inch Vitrified Pipe.
500 sq.ft. Concrete Sidewalk.
100 lin.ft. Concrete Curb.

Plans and specifications will be on file in the office of the Clerk, 21 Broadway, after July 1, 1922, and copies of same will be furnished to prospective bidders upon payment of Ten Dollars ($10.00), which amount will be refunded upon return of the plans and specifications before the time specified for the opening of bids. The Board of Trustees reserves the right to reject any or all bids and to waive any defect or informality in any bid, should it be deemed to the best interests of the Village so to do.

By order of the Board of Trustees.
PHILIP STAUDERMAN, President.
FRANK H. JOHNSON, Clerk.
June 22, 1922.

OFFICIAL PROPOSALS

Bids: July 14.

Sub-structure and Approach Spans

Nashville, Tenn.

SEALED BIDS will be received by the Department of Highways, State of Tennessee, at Nashville, Tennessee, until ten o'clock A.M., Friday, July 14th, 1922, and opened publicly at that place and hour for the construction of the concrete sub-structure and the reinforced concrete approach spans of Federal Aid Project 16, being a bridge over Cumberland River near Clarksville, having approximately 1,392 feet aggregate of span.

Plans and specifications are on file in the office of the Chief Engineer, Department of Highways, Nashville, Tennessee, and in the office of the Division Engineer, Department of Highways, Nashville, Tennessee.

D. Q. McCOMB,
Chief Engineer.

Bids: July 20.

Developing Water Supply

East Orange, N. J.

Notice is hereby given that sealed bids will be received in accordance with the law by the Board of Water Commissioners of the City of East Orange, New Jersey, at 8:00 o'clock p.m., Daylight Saving Time, on Thursday, the 20th day of July, A.D. 1922, at the office of the Board of Water Commissioners, 438 Main Street, East Orange, New Jersey, for furnishing materials and performing the labor required for developing a supply of water of not less than two million (2,000,000) gallons per twenty-four (24) hours from driven wells, in accordance with plans and specifications on file in the office of the Board of Water Commissioners, 438 Main Street, East Orange, New Jersey, and also in the office of the Consulting Engineers, Nicholas S. Hill, Jr., and S. F. Ferguson, 112 East 19th Street, New York City.

Copies of the plans and specifications may be obtained either from the office of the Board of Water Commissioners or from the Consulting Engineers, upon depositing Twenty-five ($25.00) Dollars, which sum will be refunded upon the return of the plans and specifications in good condition within ten (10) days after the 20th day of July, 1922, or else the entire deposit will be forfeited.

The work to be done includes all materials and labor, tools, plant and equipment necessary for construction, installing and completing ready for operation the following elements:

A. BUILDINGS AND STRUCTURES.
(1) Brick and concrete addition to the existing White Oak Ridge pumping station, having slate roof on steel trusses, approximately 24' x 50' x 30' high.
(2) Three (3) or more reinforced concrete well houses of the dimensions specified to be erected on the property of the City of East Orange known as the Dickinson Farm.
(3) One (1) reinforced concrete weir charmber.

B. MACHINERY AND EQUIPMENT.
(1) 1—Water tube steam boiler of approximately 132 horsepower capacity.
(2) 2—Unaflow steam engine driven alternating current electric generators, 3 phase, 60 cycle, 2300 volts, of 120 KVA. capacity each.
(3) 1—Steam turbine driven centrifugal pumping unit of 2 M.G.D. capacity complete with condensing equipment.
(4) 3—or more motor driven centrifugal or reciprocating deep well pumps with a capacity of 0.75 to 1 M.G.D. each.
(5) 2—Condensers and vacuum pumps for unaflow steam engines.
(6) All piping and appurtenances incidental and necessary to the installation of the above equipment.

C. ELECTRIC EQUIPMENT.
(1) Electric transformers, switchboards, interior and exterior wiring and appurtenances.
(2) Electric transmission wood pole line, approximately twelve thousand (12,000') feet in length, complete with twenty-three hundred (2,300) volt power cable, and cable and wires for distant control and telephone circuits.

D. DRIVEN WELLS.
(1) Three (3) or more driven wells of a depth of approximatey one hundred and twenty-five (125') feet and of diameters specified.

E. PIPE AND APPURTENANCES.
(1) Furnishing and delivering eight thousand (8,000') feet of twenty (20") inch reinforced concrete or cast iron pipe together with special castings, valves, etc.
(2) Laying and installing complete eight thousand (8,000') feet of reinforced concrete or cast iron pipe complete with specials, valves, etc.

The work to be performed under the specifications is divided into fourteen sections, classified according to the character of the work and materials to be furnished.

Bidders will be allowed to bid on one or more sections.

Proposals must be accompanied by a certified check or bid bond from a reliable surety company authorized to do business in the State of New Jersey and satisfactory to the Board of Water Commissioners, in amount equal to twenty-five (25%) per cent of the proposal. The certified check will be retained to pay for any damage or loss to the City, or the liability of the bond will accrue, in case the successful bidder shall neglect or refuse to enter into a contract in accordance with his proposal.

The Board of Water Commissioners reserves the right to consider bids for ten (10) days after their receipt before awarding any contract and the right is reserved to accept any bid or combination of bids, or to reject any or all bids.

Board of Water Commissioners, City of East Orange, New Jersey.
By ROSWELL M. ROPER,
Secretary.

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Bids: July 19.

State Highway Work

Providence, R. I.

Sealed proposals for the reconstruction of a section of State Highway 2,450 feet in length, located upon the Riverside Drive, so-called, in the Town of Tiverton, will be received by the State Board of Public Roads at its office, State House, Providence, R. I., until 12 m. (Daylight Saving), 11 a.m. (Eastern Standard), on Wednesday, July 19, 1922, at which time they will be opened and read in public.

The principal quantities involved are as follows:

Earth Excavation, 250 cu.yds.
Clearing, scarifying, harrowing and reshaping, 3,700 sq.yds.
Laying culvert pipe (12 to 24 inch), 444 lin.ft.
Catch basins, 4 each.
Crushed stone, 1,100 tons.
Applying asphalt, 13,000 gals.

Bids must be made upon blank forms to be furnished by the Board.

No bids will be accepted unless accompanied by a certified check for the sum of $200.00 payable to the State of Rhode Island.

The Board reserves the right to reject any and all bids, and to give preference to towns or cities, in accordance with Section V of Chapter 84 of the General Laws.

Plans may be examined and specifications and bidding blanks may be obtained at the office of the State Board of Public Roads, State House, Providence, R. I., on and after Wednesday, July 5th, 1922, every week day (except holidays and Saturdays), between the hours of 9 a.m. and 5 p.m., Saturdays 9 a.m. to 12 m.

State Board of Public Roads.
ABRAM L. ATWOOD,
BENJAMIN F. ROBINSON,
FRANK COLE,
J. HENRY WOODARD,
ALTON HEAD.

Bids: July 14.

Highway Route No. 16 Section No. 2

Somerville, N. J.

Notice is hereby given that sealed bids will be received by the County of Somerset for the following: The construction of State Highway Route No. 16, Section No. 2, from Mine Mount Road to Bedminster Corner, consisting of 38,419 square yards of "Surface Type C One Course Reinforced Cement Concrete Pavement," with drains and appurtenances.

Work is to be performed under County Reimbursement Act, Chapter 184, Laws of 1918 and amended by Chapter 317, Laws of 1920.

Bids will be received at the Court House at Somerville on Friday, July 14, 1922, at 11 A.M., Daylight Saving time (10 A.M., Eastern Standard time).

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of H. C. Van Emburgh, County Engineer, at Somerville Court House and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to H. C. Van Emburgh, County Engineer. Bids must be made on the standard proposal forms in the manner designated therein as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Somerset and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of Edwin Garretson, County Treasurer, for not less than ten per cent (10%) of amount of the bid, provided that said certified check shall not be less than Five Hundred Dollars ($500.00) nor more than Twenty Thousand Dollars ($20,000.00), and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to H. C. Van Emburgh, County Engineer.

Each Bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and the specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Somerset passed at a meeting held on Tuesday, June 13, 1922.

WM. S. WOODRUFF, Clerk.

Bids: July 11.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. on Tuesday, the 11th day of July, 1922, advanced standard time which is twelve o'clock noon eastern standard time, for the improvement of highways in the following counties:

Cattaraugus.....(one highway: 4.15)
Chenango.....(one highway: 8.82)
Delaware.....(two highways: 7.59 & 7)
Madison.....(one highway: 1.60)
St. Lawrence.....(one highway: 10.14)
Washington.....(one highway: 0.62)
Wyoming.....(one highway: 4.68)
Yates.....(one highway: 2.92)

ALSO FOR THE RECONSTRUCTION OF THE FOLLOWING:

Chenango.....(one contract: 1.27)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner

J. C. FINCH,
Secretary.

OFFICIAL PROPOSALS

Bids: July 18.

Water Supply for Fire Protection

Raybrook, N. Y.

Under the provisions of Chapter 106 of the Laws of 1922 sealed proposals for the construction and instalation of additions and alterations to the water supply of the New York State Hospital for Incipient Tuberculosis at Raybrook, N. Y., including intake pipes, pumps, force mains, hydrants, hydrant houses, fire hose and appurtenances, will be received by the Board of Trustees of said State Hospital at the office of the State Engineer and Surveyor, Telephone Building, Albany, N. Y., until 12 o'clock noon (Eastern standard time) on Tuesday, July 18, 1922, when they will be publicly opened and read.

Each proposal must be addressed to the Board of Trustees of the New York State Hospital for Incipient Tuberculosis, care of the State Engineer and Surveyor, Telephone Building, Albany, N. Y., and on the outside of the envelope must be clearly and conspicuously written "Sealed proposal for water supply construction at Raybrook."

Proposals shall be made on blank forms furnished for the purpose and shall be accompanied by a draft or certified check in the sum of five per cent (5%) of the amount of the proposal. The person or persons whose proposal shall be accepted will be required to execute the contract and furnish a "faithful performance bond" in an amount of not less than thirty per cent (30%) and a "labor bond" in an amount of not less than ten per cent (10%) of the amount of the contract within ten (10) days of the notice of award of the contract in accordance with the terms of the specifications.

The right is reserved to reject any and all bids.

Plans, specifications and forms of proposal and contract may be examined in the offices of the Board of Trustees of the New York State Hospital for Incipient Tuberculosis at Raybrook, N. Y., of the State Engineer and Surveyor, Telephone Building, Albany, N. Y., and of the State Engineer and Surveyor, Pier 6, East River, New York City, and specifications and forms of proposal and contract may be obtained from the State Engineer and Surveyor, Telephone Building, Albany, N. Y.

Blueprint copies of plans, consisting of sheets 1 to 8 inclusive, may be obtained from the State Engineer and Surveyor, Telephone Building, Albany, N. Y., upon payment of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints that may be returned.

The deposits of bidders, other than the one to whom the award of contract shall be made, will be returned immediately after the award has been made.

The award, if made, will be to the lowest responsible bidder and the successful bidder will be required to satisfy the Board of Trustees of his ability to provide suitable equipment and materials for the proper performance of the work.

Board of Trustees, New York State Hospital for Incipient Tuberculosis.
By JOHN HURLEY, President.
Dated, July 1, 1922.

Bids: July 13.

Highway Work

Somerville, N. J.

Notice is hereby given that sealed bids will be received by the Borough of Somerville for the following: Construction of State Highway, Route No. 9, Section 0.7, Main Street, Somerville. Estimated amounts are as follows: Reinforced Cement Concrete Pavement, 12,933 sq.yd.; Armored Cement Concrete Curbing, 5,283 lin.ft. New Granite Block on a cement concrete foundation is 3,076 sq.yd.

Work is to be performed under Reimbursement Act, Chapter 246, laws of 1921.

Bids will be received at the Borough Hall at Somerville, N. J., on Thursday, July 13, 1922, at 7 p.m. (Standard Time).

Drawings, specifications and form of contract and bond of the proposed work are on file in the office of W. J. Hardin, Borough Engineer, at Newton, N. J., and Borough Collector's Office, Somerville, N. J., and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10) upon application to W. J. Hardin, Boreugh Engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Mayor and Council of the Borough of Somerville, and bearing the name and address of the bidder and the name and section of the route on the outside. Bids must be accompanied by a certified check drawn to the order of J. K. Brokaw, treasurer, for not less than ten per cent (10%) of amount of the bid, provided that said certified check shall not be less than $500 nor more than $20,000, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to W. J. Hardin, Borough Engineer, or J. K. Brokaw, Borough Treasurer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Common Council of the Borough of Somerville passed at a meeting held on Monday, June 19, 1922.

(SIGNED) J. B. VARLEY,
Borough Clerk.

Bids: July 18.

Street Paving

Kennett, Mo.

Sealed bids will be received by the Mayor and Council of the City of Kennett, Missouri, at the Office of the City Clerk, up to 7 o'clock p.m. on the 18th day of July, 1922, and will then be publicly opened and read.

The approximate quantities on this work are as follows: 6,520 cu.yds. earth excavation, 30,225 sq.yds. reinforced concrete pavement, 15,545 linear feet of concrete integral curbing 390 cu.yds. concrete for manholes and sewers, 36,430 lbs. of reinforcing steel, 3,910 lbs. of iron castings, 780 feet 12" vitrified pipe.

Plans and Specificaions are on file at the office of the City Clerk or at the office of the Engineers, and copies of same can be obtained from the Engineers on receipt of $3.00.

A certified check or bidder's bond in the sum of One Thousand Dollars must accompany all proposals, check or bond to be made payable to the order of the Mayor.

All bids must be made on forms furnished by the Engineer; informal bids will not be considered.

The right is reserved to reject any or all bids:

J. W. KARSTEN, Mayor.
DAVE STROUD, Clerk.
C. E. SMITH & CO., Engineers,
Cape Girardeau, Mo.

Bids: July 18.

Paving

Miami, Fla.

Sealed proposals will be received by "The Commission of the City of Miami, Florida," at the City Hall in Miami, Florida, until 11 a.m., at the regular meeting of the Commission, Tuesday, July 18th, 1922, for the construction of Bituminous Macadam Pavement.

The work will consist of: 170,819 square yards of bituminous macadam paving, and will be divided into 8 contracts. The bidder can bid on any or all of these contracts.

The improvements are to be constructed and payment therefor is to be made under Section 56 of the City Charter.

All bids must be upon blank forms provided in the proposal, specifications and contract.

Each bid must be accompanied by a certified check for 2½ per cent of the amount of the bid to insure the execution of the contract as provided by Section 56 of the City Charter.

The City reserves the right to reject any or all bids.

Plans and specifications will be on file at the City Hall in the office of the City Manager.

Copies of proposals, specifications and contract can be obtained from the office of Chas. W. Murray, Director of Public Service, on deposit of $10.00, which will be refunded to those who submit bona fide bids.

F. H. WHARTON,
City Manager.

Bids: July 11.

Concrete Filter Plant Substructures Contract No. 1

Buffalo, N. Y.

Sealed proposals for the construction of a coagulating basin, clear water reservoir, filter boxes, substructure of pumping station, conduits and other appurtenances in connection with the filter plant for the City of Buffalo, N. Y., will be received by the Commissioner of Public Works at his office in the Municipal Building, Buffalo, N. Y., until eleven a.m., daylight saving time, on Tuesday the eleventh day of July, 1922.

Copies of the plans and specifications may be seen at the office of the Engineer of the Filtration Division, Bureau of Water, Porter Avenue, Buffalo, N. Y., and copies of the plans, specifications, contract and form of proposal may be obtained at this office upon the deposit of $25.00 for each set furnished, which sum will be refunded if the plans and specifications are returned within 30 days after bids have been received and acted upon. Plans and specifications may also be seen at the office of Fuller & McClintock, Consulting Engineers, 170 Broadway, New York.

Proposals must be made on the blank forms furnished and must be sealed and endorsed—"Proposal for Filter Plant Substructures." Each proposal must be accompanied by a certified check in the amount of $150,000.00.

The principal estimated quantities are approximately as follows:

Earth excavation, 350,000 cu.yds.
Earth embankment, 110,000 cu.yds.
Rock excavation, 7,000 cu.yds.
Concrete masonry, 50,000 cu.yds.
Steel reinforcement, 3,500 tons.
Placing piping and iron and steel work furnished by the City, 580 tons.

The principal structures are a reinforced concrete coagulating basin about 304 ft. x 408 x 26 ft. average depth, a reinforced concrete clear water reservoir 330 ft. x 510 ft. x 25 ft. average depth, and 40 reinforced concrete filter boxes each about 33 ft. x 50 ft. x 9 ft. deep.

The work is located in the City of Buffalo, on the water front south of Jersey Street.

The City reserves the right to reject any or all bids in case this is deemed to be for the interest of the City.

GEORGE C. ANDREWS,
Engineer, Filtration Division.

Bids: July 17.

Alterations and Repairs to Office Buildings

New York City.

Sealed proposals for Alterations and Repairs, etc. (Painting Work) to Office Buildings, Department of Labor, New York City, will be received by Hon. Henry D. Sayer, Industrial Commissioner, 124 East 28th St., New York City, until 1 o'clock p.m. (Standard Time), on Monday, July 17, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 3921. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Office of the New York State Industrial Commissioner, 124 East 28th St., New York City, at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

Dated: June 30, 1922.

OFFICIAL PROPOSALS

Bids: July 14.

Highway—Route No. 1 Section No. 14

Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Route No. 1—Section No. 14 from Stelton Road to Metuchen, Middlesex County; estimated amount of Warrenite Bitulithic Pavement on a nine (9) inch Portland Cement Concrete foundation, 49,855 Square Yards.

Bids will be received at the office of the State Highway Commission, at the Broad Street Bank Building, Trenton, New Jersey, on Friday, July 14th, 1922, at 11 A.M., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and as required by the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that said certified check shall not be less than $500.00 or more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal from and special addressed envelope will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: July 11.

Street Paving

Newton, N. J.

Notice is hereby given that sealed bids will be received by the Town of Newton for the paving of High Street in the Town of Newton, Sussex County, with a reinforced concrete pavement. Estimated amount of surface pavement required is 8,355 square yards and opened and read in public at the Freeholders office, Newton, N. J., on July 11, 1922, at 10:30 a.m., Standard Time.

"Drawings, specifications and forms of bid, contract and bond for the proposed work prepared by W. J. Hardin, Town Engineer, and approved by the State Highway Commission have been filed in the office of the said Engineer at Newton, N. J., and of the said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specification and blue prints of the drawings by the Engineer on proper notice and payment of the cost of preparation. Bids must be made on the Standard proposal form in the manner designated therein and required by the specifications. Must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of the road on the outside. Addressed to the Town of Newton, Newton, N. J., and must be accompanied by a Surety Company Certificate and a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The Standard Proposal Form is attached to the specifications, copies of which will be furnished on application to Engineer.

"By order of the Town Committee of the Town of Newton."

(Signed) J. R. CORNELL, Clerk.

OFFICIAL PROPOSALS

Bids: July 12.

Road Work

Atlantic City, N. J.

Sealed bids will be received by the Board of Chosen Freeholders of Atlantic County, N. J., at 12 o'clock noon (Daylight Saving Time) on July 12, 1922, during a regular meeting of said Board at the Freeholders' meeting room in the Guarantee Trust Bldg., Atlantic City, N. J., for the reconstruction of a section of Mays Landing-Downstown Road known as Hamilton Township Section, in the County of Atlantic and State of New Jersey, with a Warrenite-Bitulithic pavement on a six inch 1-3-5 concrete base; estimate amount of surface pavement and concrete base required is 88,070 sq.yd., together with gravel shoulders, excavation and embankment, drainage provisions, guard rail and other items; said bids to be opened and read in public at the aforesaid time and place.

Drawings, specifications and form of bid, certificate of surety, contract and bond, covering proposed work, are on file in the office of the County Engineer at 636 Guarantee Trust Bldg., Atlantic City, N. J., where they may be inspected and a prospective bidder may secure a copy of the specifications and blueprints of the plans upon the deposit of $10, and this deposit will be refunded provided the plans and specifications are returned to the County Engineer's Office in good condition by noon on July 12, 1922. Each bid must be made on the standard proposal form in the manner required by the specifications and must be accompanied by a certified check, or cash, in the amount of $20,000.

A contract will be awarded, if awarded at all, within one month of the date of receiving bids and such award will be made subject to the sale and delivery of bonds to be issued for the purpose of financing the reconstruction. The right is reserved to reject any or all bids.

By Order of the Board of Chosen Freeholders of Atlantic County, N. J.

F. W. WILLETTS, Clerk

This Advertising Costs Little

The cost of giving contracts NATIONAL publicity through the Official Proposal Columns of *Engineering News-Record* is only 40 cents a line an insertion. Figured on a circulation basis, the cost per line per thousand readers (1⅓ cents) is extremely small, compared with the cost of other forms of publicity and the possibility of large waste distribution through publications of limited or general circulations. A single lower bid may save the cost of the advertising many times over.

Bids: July 17.

Heating, Plumbing and Electrical Work

Urbana, Ill.

Sealed proposals for the Heating and Ventilating, Plumbing and Electrical Work on the New Agricultural Building to be erected for the University of Illinois at Urbana, will be received at the office of James M. White, Supervising Architect, 256 Administration Building, Urbana, up to 3:00 p.m. Monday, July 17, 1922.

Plans and specifications may be obtained after June 30th from the office of the Supervising Architect upon deposit of Ten Dollars ($10.00).

OFFICIAL PROPOSALS

Bids: July 18.

Concrete Flood Gate and Appurtenances

Little Rock, Ark.

Sealed proposals will be received by the Secretary of the Farelly Lake Levee District at the Marion Hotel, Little Rock, Ark., until 2 p.m., Tuesday, July 18, 1922, for the construction of a Concrete Flood Gate and Appurtenances at Big Bayou Meto, Gillett, Arkansas County, Ark. Following are the approximate quantities:

Excavation	50,000 cu.yd.
Round foundation piles	24,000 lin.ft.
Steel sheet pile cut off walls	20,000 sq.ft.
Concrete	6,500 cu.yd.
Reinforcing steel	200 tons
Gates and accessories	150 tons
Hand rail, 2-in. GI pipe and fittings	1,500 lin.ft.
Hand rail, 1½-in. GI pipe and fittings	1,000 lin.ft.
Hoisting apparatus	30 tons

Detail plans, specifications and blank forms of proposal are on file at the office of A. W. Dobyns, Attorney, Little Rock, Ark., and at the office of Ayres & Miller, McCall Building, Memphis, Tenn.

Detail plans, specifications and proposal forms will be furnished upon application accompanied by a certified check for twenty ($20) dollars.

Each proposal shall be accompanied by a certified check for fifteen thousand ($15,000) dollars made payable to the Secretary of the Board.

This check is to be conditioned that, if the bid is accepted, a contract will be entered into and the performance of same secured within ten (10) days after notification of acceptance of bid. Successful bidder will be required to furnish a surety bond in an acceptable surety company in the sum of fifty (50%) per cent of the contract price.

The right is reserved to reject any or all bids and to waive any technical defects, as the interests of the district may require.

The Engineers, or their assistants, will be at Gillett, Ark., from July 10 to July 15 to show prospective bidders over the work.

JOHN M. GRACIE, Chairman
Board of Commissioners.

J. B. QUINN, Secretary,
Gillett, Arkansas.

AYRES & MILLER, Engineers,
McCall Building, Memphis, Tennessee.

Bids: July 19.

Excavation of Reservoir

Saugerties, N. Y.

Sealed proposals for the excavation of about thirty thousand cubic yards of material, the cleaning and necessary additional excavating for and the laying of an eighteen inch temporary water main for a distance of about eight hundred feet, the construction of a cofferdam across the inlet and other work incidental to the increasing the present storage capacity of the Saugerties Village Reservoir situated at Blue Mountain in the Town of Saugerties, County of Ulster, N. Y., will be received by the Board of Water Commissioners of the Village up to two o'clock daylight savings time, in the afternoon on the 19th day of July, 1922, at their office on Market Street, Saugerties, N. Y., at which place and hour the bids will be publicly opened and read.

Specifications, proposal blanks, forms of contract and bond and information for bidders may be seen at the Board of Water Commissioners, Market Street, Saugerties, N. Y., and copies of same may be obtained upon application to J. F. Loughran, Civil Engineer, Kingston, N. Y., upon deposit of five dollars, which deposit will be refunded when specifications are returned in good condition.

A certified check of five per cent (5%) of the amount of the bid made payable to the Board of Water Commissioners, Saugerties, N. Y., must accompany the bid as a guarantee that the contract will be entered into if awarded.

A bond in the sum of one hundred per cent (100%) of the contract price will be required.

The Board of Water Commissioners reserve the right to reject any or all bids as it may deem to be for the best interest of the Village of Saugerties, N. Y.

J. CHARLES SUDERLEY,
President.

E. CLARK REED, Secretary.

J. F. LOUGHRAN, Engineer.

Dated: June 9, 1922.

OFFICIAL PROPOSALS

Bids: July 24.

Disposal Works

Hackensack, N. J.

The Hackensack Improvement Commission, the governing body of the City of Hackensack, Bergen County, New Jersey, request proposals for the construction and equipment of disposal works, flotation basins, force mains, a pumping station and certain other works, establishments and fixtures appurtenant thereto.

The foregoing works are more particularly described and set forth in the plans and specifications on file with Lemuel Lozier, Engineer of the Commission, and with the Clerk of the Commission.

The plans and specifications, information for bidders, forms of proposals and contracts, forms of bonds required, and other information can be seen at the office of Lemuel Lozier, Engineer of the Commission, Room 3, Bank Building, Main and Mercer Streets, Hackensack, New Jersey; copies of such plans and specifications may be obtained by bidders on making a deposit of $100, which deposit will be refunded upon the return of the plans and specifications in good condition.

All bids must be made upon a form of proposal to be obtained from the Engineer of the Commission, and must give the prices both in writing and figures, and must give such other information and be signed in the manner indicated on the form of proposal. All bids shall be accompanied by a certified check for $10,000 payable to the "Hackensack Improvement Commission."

Checks of the unsuccessful bidders will be returned immediately upon the award of the contract. The check of the successful bidder will be returned to the bidder upon the execution of the contract and the furnishing of the bonds required, within ten days after the date of the award thereof, or within such extended time as may be determined by the Commission. In case of failure to execute the required contract, and furnish the required bonds within such time, such check shall be forfeited to the Hackensack Improvement Commission as liquidated damages.

The proposals herein required shall be presented to the Hackensack Improvement Commission, at the Municipal Building, 346 State Street, Hackensack, Bergen County, New Jersey, on Monday, the 24th day of July, 1922, at 8 p.m., Daylight Saving time, 7 p.m. Standard Time.

No bids will be received prior to said hour, and none thereafter. The proposals shall be submitted in sealed envelopes or packages as follows:

"Proposal for Sewage Disposal Plant, Contract No. 1."

The Hackensack Improvement Commission reserves the right to reject any or all bids.

HACKENSACK IMPROVEMENT COMMISSION,
SPENCER D. BALDWIN, Mayor.
WILLIAM SCHAAF, Clerk.

Bids: July 18.

Water Works Improvements

Wilmington, N. C.

Sealed proposals will be received until 12 o'clock noon on the 18th day of July, 1922, at the office of the Commissioner of Public Works, Wilmington, N. C., for furnishing materials for and the work of constructing additions to the present water purification plant and extending the water intake line approximately two miles.

The work will include approximately 650 ft. of 24 in. cast iron ball and socket pipe laid under the Cape Fear River at a depth of 36 ft. and also 10,350 ft. of 42 in. wood, cast iron, or concrete pipe laid at an average depth of approximately 9 ft. below water level to Toomers Creek.

Bids will be considered on parts of the work separately or on the furnishing of materials independent from the construction work.

A certified check to the amount of 5% will be required with each bid and the right is reserved to reject any or all bids.

Plans and specifications may be obtained upon a deposit of $10.00 from the Carolina Engineering Co., Engineers, 412 Southern Building, Wilmington, N. C., or from

R. C. CANTWELL,
Commissioner of Public Works.
June 21, 1922.

OFFICIAL PROPOSALS

Bids: July 11.

Wells and Switch Board

Atlantic Highlands, N. J.

Sealed bids will be received by the Mayor and Council of the Borough of Atlantic Highlands, New Jersey, at their regular meeting, Tuesday evening, July 11th, at 8 o'clock p.m. for the installation of a 6-panel Switch Board with instruments, bus bars and necessary wiring, to work in conjunction with our present switch board, and to be so equipped as to take care of outside current that may be purchased. Also for the sinking of two wells, each 18 inches in diameter of an approximate depth of from 110 to 125 feet, complete with necessary piping and strainer, with a guarantee flow of water of at least 800 gallons per minute from each; also for the installation of two 400 gallon pumps, to be set on above stated wells.

Plans and specifications for the above can be had by applying to D. S. Miller, Consulting Engineer, Room 359, 50 Church St., New York City.

The Mayor and Council is also open for any other proposition that will guarantee a supply of water sufficient for our requirements, the bidders to furnish complete plans and specifications of what they will install.

The Mayor and Council reserve the right to reject one or all bids, according to specifications furnished by the Consulting Engineer and also reserve the right to reject any or all bids that may be furnished on any other nature, and they also reserve the right to accept any one particular proposition that they may deem advisable for the betterment and the safety of the public welfare of the Borough of Atlantic Highlands.

All bidders, whether bidding on all or a part of the above, will be required to furnish a 10% certified check of the amount of their bid.

HARRY A. KRIDEL, Clerk.

Bids: July 14.

Highway Route No. 9 Section 9a

Belvidere, N. J.

Notice is hereby given that sealed bids will be received by the County of Warren for the following: Construction of State Highway Route No. 9, Section No. 9a, Still Valley to Bloomsbury. Estimated amount of reinforced coment concrete pavement is 35,050 square yards.

Work is to be performed under County Reimbursement Act, Chapter 183, laws of 1918, and amended by Chapter 317, laws of 1920.

Bids will be received at the Court House at Belvidere, N. J., on FRIDAY, JULY 14, 1922, AT 1 O'CLOCK P.M., STANDARD TIME.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of Harry W. Vetter, County Engineer, at Belvidere, N. J., and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10.00) upon application to Harry W. Vetter, County Engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Warren and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of H. O. Carhart, County Treasurer, for not less than ten per cent (10%) of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to Harry W. Vetter, County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Warren passed at a meeting held on June 14, 1922.

MORRIS S. FAUST, Clerk.

OFFICIAL PROPOSALS

Bids: July 18.

Pier Sheds and Grain Conveyor Gallery

CONTRACT No. 10

Portland, Maine.

Sealed bids for the construction of the North and South Sheds and Grain Conveyor Gallery at and near the State Pier, Portland, Maine, will be received by the Directors of the Port of Portland and by the Grand Trunk Railway Company of Canada at the office of the Directors, 67 Commercial Street, Portland, Maine, until 1 p.m., Eastern Standard Time (2 p.m. Daylight Saving Time) on Tuesday, July 18, 1922, at which time and place the bids will be publicly opened and read aloud.

The pier sheds will have steel frames with wooden roofs and the North Shed will have a wooden floor on steel stringers. The Grain Conveyor Gallery will have steel frame and concrete floor. The siding of both sheds and the Grain Conveyor Gallery will be of asbestos protected metal.

Before the award of the contract any bidder may be required by the Directors to show that he has the necessary experience, ability, equipment and financial resources to perform the work within the time stipulated and in a manner satisfactory to the Engineer.

The bid must be accompanied by a properly certified check for the sum of twenty thousand ($20,000) dollars.

A bond in the sum of one hundred fifty thousand ($150,000) dollars of a surety company satisfactory to the Directors, will be required for the faithful performance of the contract.

A more complete description of the work to be done is given in the Notice to Bidders, the forms of Bid, Contract, Bond, the Specifications and the Contract Drawings.

Copies of the foregoing may be inspected at the office of the Directors of the Port of Portland, at Portland, and may be obtained from the Engineers, Fay, Spofford & Thorndike, Boston, Mass. The address of the Engineer up to and including June 30 is 15 Beacon Street, Boston 9, Mass., and on and after July 1, 200 Devonshire Street, Boston 9, Mass.

A charge of fifteen ($15) dollars will be made for a complete set of the Notice to Bidders, forms of Bid, Contract, Bond, the Specifications and the Contract Drawings.

Receipt of bids will be subject to the conditions stated in said Notice to Bidders.

The right is reserved to reject any or all bids.

HENRY F. MERRILL, President.
BERTRAND G. McINTIRE,
FRED W. BUNKER,
JAMES Q. GULNAC,
ALEXANDER T. LAUGHLIN,
Directors of the Port of Portland.
FAY, SPOFFORD & THORNDIKE,
Engineers.
June 17, 1922.

Bids: July 18.

Sewer

Nashville, Tenn.

Office of the Board of Public Works, Nashville, Tenn., June 27, 1922.

Notice is hereby given that sealed proposals will be received at the office of the City Clerk until 2 o'clock p.m., Tuesday, July 18, 1922, for constructing section 4 of the Brown's Creek interceptor sewer, from the upper end of section 3, thereof (station 67 plus 90.0) and extending thence southerly, approximately parallel with Brown's Creek to the outfall of Sandy Bottom trunk sewer on the west bank of said Creek (station 34 plus 00.0) as per plans and specifications to be seen in the office of the City Engineer. Consisting of about 3,400 lineal feet of circular brick sewer ranging in diameter from 66 inches to 45 inches.

Approximate excavation 8,300 cubic yards (both earth and rock).

Approximate brick work 824 M.

and necessary interceptor bleeders, manholes, connections, etc.

Specifications and proposals will be furnished to bidders upon application to City Engineer, W. W. Southgate.

A certified check for $1,500.00 or cash equivalent, must accompany each bid. Said check or money will be returned to unsuccessful bidders upon award of contract, and to successful bidders when they have made approved bond for the faithful performance of their contract. The right is reserved to eject any and all bids. By order of the Board of Public Works.

FELIX Z. WILSON, Mayor.
Attest: S. H. McKAY, City Clerk.

OFFICIAL PROPOSALS

Bids: Aug. 15.

Hydro-Electric Project

Dothan, Ala.

Sealed proposals will be received by the Mayor and City Council of the City of Dothan, Alabama, until 2 o'clock p.m., Tuesday, August 15th, 1922, for constructing a Hydro-Electric Project with appurtenances, and furnishing materials and equipment, at High Bluff on the Choctawhatchee River about eight (8) miles from Hartford, Ala., in sections 9 and 4 of township 2N, Range 23E, Geneva County, Alabama. The work consists of the construction of an earth dam, a concrete spillway, abutments and power house, and the furnishing and placing of machinery.

The principal approximate quantities involved are the following:

51,000 cu.yds. of excavation.
380,000 cu.yds. of embankment.
18,500 cu.yds. of concrete of different classes.
1,900,000 pounds of reinforcing steel.
354,000 pounds of structural steel work.

Turbines, generators, transformers and auxiliary power house equipment for a present installation of approximately 3,000 bhp. capacity in two units.

A transmission line twenty-one and one-half (21½) miles long at 44,000 volts pressure.

Plans and specifications are on file at the office of the City Clerk at Dothan, Alabama, and at the office of The Ludlow Engineers at Winston-Salem, N. C., where they may be examined by prospective bidders.

Copies of the plans covering the construction details of this project and two copies of the specifications attached to the form of proposal and contract will be furnished by The Ludlow Engineers, Winston-Salem, N. C., upon application by prospective bidders accompanied by a check for twenty-five ($25.00) dollars to cover the cost, or, separate prints, and extra copies of specifications and form of proposal, etc., at one ($1.00) dollar each.

Each bid must be accompanied by a certified check for approximately five (5%) per cent of the bid.

Proposals will be received at the City Hall, Dothan, Alabama, and opened publicly wih the right reserved to accept any bid or to reject any or all bids as the best interests of the City may appear.

Plans and supervision by THE LUDLOW ENGINEERS, INC. Winston-Salem, N. C.

E. O. JONES, Mayor.
R. W. LISENBY, City Clerk.

Bids: July 17.

Curb and Gutter

Richmond, Va.

Sealed proposals will be received at this office until 12 o'clock noon, July 17th, for the following work which may be awarded in whole or in part; grading and the construction of curb and gutter in various streets covering an expenditure of approximately $30,000. Before plans and specifications are delivered a check for $10.00 must be deposited with the Director of Public Works which will be returned provided a bona fide bid is made by the bidder at the opening date.

Forms of proposals can be obtained on application.

A certified check for amount stated on proposals must accompany each bid as a guaranty of execution of contract. The Director of Public Works reserves the right to reject any and all bids.

ALLEN J. SAVILLE,
Director of Public Works.

Bids: July 10.

Sewer Pumping Station

Hammond, Ind.

The City of Hammond, Indiana, through its Board of Public Works will receive bids up to 2 o'clock p.m., July 10th, 1922, for building and equipping a Sewer Pumping Station.

Plans and specifications may be gotten from W. F. Bridge, Engineer, Hammond, Indiana.

Estimate, $236,802.62.

DELLA MILLER, Clerk.
Board of Public Works, City of Hammond, Indiana.

OFFICIAL PROPOSALS

Bids: July 26.

Concrete Wharf and Transit Shed Foundation

Tampa, Fla.

Sealed bids will be received by the City Commission of the City of Tampa until twelve o'clock noon on the 26th day of July, 1922, for furnishing all materials, labor and equipment necessary to construct a reinforced concrete wharf and transit shed foundation at the municipal slip on the Estuary in the City of Tampa, according to the plans and specifications on file in the office of the City Manager, copies of which may be obtained upon application, for the sum of Ten Dollars ($10.00), payable in advance.

Each bid must be accompanied with a certified check for five percent (5%) of the amount of the bid, payable to the City Clerk of the City of Tampa, to be retained by the City Commission until the contract is awarded and acceptable bonds filed, at which time checks will be returned to the unsuccessful bidders.

The right to reject any or all bids within forty-five (45) days from the date herein specified is reserved by the Commission.

Bidders are requested to examine the location before submitting bids.

Following are the estimated approximate quantities:

(a) Wood sheet pile bulkhead, length 2,288 lineal feet.
(b) Wood piles for retaining wall and pedestal foundation. Number of piles 879.
(c) Lumber for bulkhead caps, wales and flooring. Number of feet B. M. 102,614.
(d) Concrete for bulkhead, retaining wall and foundation pedestals. Number of cubic yards 2,186.
(e) Concrete platform piles. Lineal feet 19,526.
(f) Straight concrete plaform, thirty (30) feet wide, with railroad track. Number of lineal feet 1,476.
(g) Straight concrete platform, thirty (30) feet wide, without railroad tracks. Number of lineal feet 695.
(h) All concrete platform other than straight work. Number of square feet of platform 3,848.
(i) Rock fill. Number of cubic yards 15,000.
(j) Earth fill. Number of cubic yards 40,000.
(k) Sewer outlet 36 in. cast iron pipe. Number of lineal feet 84.

R. D. MARTIN, City Engineer.
A. W. D. HALL, City Manager.
SIGNED: C. H. BROWN,
Mayor-Commissioner.
ATTEST: WM. E. DUNCAN,
City Clerk.

ATTENTION CONTRACTORS

EXCAVATION TO SUB-LET

46,000 yards Unclassified Excavation Northern West Virginia. About half Steam Shovel work. Job 8 miles long. Two miles side hill relocation.

KENNEDY CONSTRUCTION CO.
Parkersburg, W. Va.

OFFICIAL PROPOSALS

Bids: July 21.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m., advanced standard time which is twelve o'clock noon eastern standard time, on Friday, the 21st day of July, 1922, for the improvement of the following in Cattaraugus County.

Highway No. 8018-A. Bradford-Carrollton, Part 2 (Carrollton Bridge). The work to be done under this contract includes seven spans of steel trusses weighing approximately 1,150,000 lbs. with six concrete piers and two abutments. The approximate length of steel structure is 895 feet and the roadway is 20 feet in width, surfaced with wood block on a reinforced concrete floor. Also for the improvement of the following highways:

Allegany.....(two highways: 2.77 & 8.35)
Fulton.....(one highway: 4.23)
Oneida.....(one highway: 2.75)
St. Lawrence.....(one highway: 7.73)
Steuben.....(one highway: 1.01)
Wayne.....(one highway: 1.65)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner

J. C. FINCH,
Secretary.

Bids: July 18.

Sidewalk Construction

Miami, Fla.

Sealed proposals will be received by "The Commission of the City of Miami, Florida," at the City Hall in Miami, Florida, until 11 a.m. at the regular meeting of the Commission, Tuesday, July 18th, 1922, for the construction of Concrete Sidewalks.

The work will consist of: Approximately 24,683 square yards of concrete sidewalk, and will be divided into 2 contracts. The bidder can bid on any or all of these contracts.

The improvements are to be constructed and payment therefor is to be made under Section 56 of the City Charter.

All bids must be upon blank forms provided in the proposal, specifications and contract.

Each bid must be accompanied by a certified check for 2½ per cent of the amount of the bid to insure the execution of the contract as provided by Section 56 of the City Charter.

The City reserves the right to reject any or all bids.

Plans and specifications will be on file at the City Hall in the office of the City Manager.

Copies of proposals, specifications and contract can be obtained from the office of Chas. W. Murray, Director of Public Service, on deposit of $10.00, which will be refunded to those who submit bona fide bids.

F. H. WHARTON,
City Manager.

Inefficiency Is As Unnecessary As It Is Unwelcome

¶Have you any idea what it costs to have an inefficient Contract Bond Service? ¶Have you ever needed a Bid or Contract Bond in record time and be disappointed in getting it? ¶Have you ever tried to increase the amount of your bond only to find your broker could not do it? ¶These things do not occur when your case is properly prepared and intelligently presented to the underwriters. ¶Proper preparation and presentation means efficiency and requires the services of a Contract Bond Specialist. ¶Swart Service is exactly that and costs you no more than the inefficient sort. ¶There can be but one answer to such an argument. An interview will avail much and cost you nothing.

HARMON V. SWART
Contract Bonds *Compensation Insurance*
92 William Street, New York

OFFICIAL PROPOSALS

Bids: July 21.

Highway Route No. 5—Section No. 8

Belvidere, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the County of Warren for the following: Construction of State Highway Route No. 5, Section No. 8, Great Meadows—Barkers Corner. Estimated amount of reinforced Portland Cement Concrete Pavement is 34,522 square yards.

Work is to be performed under County Reimbursement Act, Chapter 183, laws of 1918, and amended by Chapter 317, laws of 1920.

Bids will be received at the Court House at Belvidere, N. J., on FRIDAY, JULY 21, 1922 AT 1 O'CLOCK P.M., STANDARD TIME.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of Harry W. Vetter, County Engineer, at Belvidere, N. J., and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10.00) upon application to Harry W. Vetter, County Engineer. Bids must be made on the standard Proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes addressed to the Board of Chosen Freeholders of the County of Warren and bearing the name and address of the bidder and the name and section of the route on the outside. Bids must be accompanied by a certified check drawn to the order of H. O. Carhart, County Treasurer, for not less than ten percent (10%) of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to Harry W. Vetter, County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Warren passed at a meeting held on June 28, 1922.

MORRIS S. FAUST, Clerk.

Bids: July 18.

Sewer

Miami, Fla.

Sealed proposals will be received by "The Commission of the City of Miami, Florida," at the City Hall in Miami, Florida, until 11 a.m. at the regular meeting of the Commission, Tuesday, July 18th, 1922, for the construction of Sanitary Sewers.

The work will consist of: Furnishing and laying approximately

65,000 feet 8" pipe.
4,000 feet 10" pipe.
3,000 feet 12" pipe.
1,500 feet 15" pipe.
with necessary manholes and flush tanks.

and will be divided into 3 contracts. The bidder can bid on any or all of these contracts.

The improvements are to be constructed and payment therefor is to be made under Section 56 of the City Charter.

All bids must be upon blank forms provided in the proposal, specifications and contract.

Each bid must be accompanied by a certified check for 2½% of the amount of the bid to insure the execution of the contract as provided by Section 56 of the City Charter.

The City reserves the right to reject any or all bids.

Plans and specifications will be on file at the City Hall in the office of the City Manager.

Copies of proposals, specifications and contract can be obtained from the office of Chas. W. Murray, Director of Public Service, on deposit of $10.00, which will be refunded to those who submit bona fide bids.

F. H. WHARTON,
City Manager.

OFFICIAL PROPOSALS

Bids: July 14.

Highway—Route No. 1 Section No. 13

Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Route No. 1—Section No. 13 from Highland Park to Stelton Road, Middlesex County; estimated amount of Warrenite Bitulithic Pavement on a nine (9) inch Portland Cement Concrete foundation, 32,811 Square Yards.

Bids will be received at the office of the State Highway Commission at the Broad Street Bank Building, Trenton, New Jersey, on Friday, July 14th, 1922, at 11 A.M. Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract, and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and as required by the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that said certified check shall not be less than $500.00 or more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard porposal form and special addressed envelope will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: July 31.

Concrete Paving

Greenville, N. C.

Sealed bids will be received by the Pitt County Highway Commission, at their office in Greenville, N. C., on Monday, July 31st, 1922, at noon, for the paving with concrete five miles of Highway 16 ft. width, between Greenville and Falkland, and also for paving 7 miles of highway 16 ft. in width, with concrete between Greenville and Cox Mill. Bids will be received for both projects as a whole, and also each project separately. Grading completed.

The Highway Commission offers its Industrial Railway and paving equipment for these projects, and also Convict labor.

Plans and profiles may be seen at the Highway Office in Greenville, N. C.

Certified check for two thousand dollars to accompany bid. The right to reject any or all bids is reserved by the Commission.

By Order of The Pitt County Highway Commission, Greenville, N. C.

J. B. HARDING,
Engineer.

U. S. GOVERNMENT

PROPOSALS FOR ONE MARINE TYPE REFRIGERATING AND ICE MAKING PLANT.—Office, Mississippi River Commission, 1st and 2nd Districts, Customhouse, Memphis, Tenn.—Sealed proposals for furnishing and delivering one Marine Type Refrigerating and Ice Making Plant will be received at this office until 11 a.m., July 15, 1922, and then opened. Further information on application.

U. S. GOVERNMENT

PROPOSALS FOR STEEL LADDER, PIPE, ETC.—U. S. Engineer Office, 329 Custom House, New Orleans, La.—Sealed proposals will be received here until 11 a.m., July 17, 1922, and then opened, for constructing and delivering steel ladder, pipe, gears and shafting for U. S. dredge "Gulfport." Further information on application.

U. S. ENGINEER OFFICE, Pittsburgh, Pa. Sealed proposals will be received here until 12 noon (Eastern time) July 19, 1922, and then opened, for furnishing and delivering one steel derrick boat hull. Further information on application.

U. S. ENGINEER OFFICE, Buffalo, N. Y. Sealed proposals will be received here until 11 a.m. (Standard Time), July 17, 1922, and then opened, for constructing rubble mound extension of west breakwater, Ashtabula Harbor, O. Further information on application.

U. S. ENGINEER OFFICE, P. O. Box 72, Louisville, Ky. Sealed proposals will be received here until 2 p.m., Central Time, July 17, 1922, and then opened, for furnishing and delivering Metal Work for Navigable Pass for Dam No. 44, Ohio River. Further information on application.

U. S. ENGINEER OFFICE, P. O. Box 72, Louisville, Ky. Sealed proposals will be received here until 2 p.m., Central Time, July 18, 1922, and then opened for furnishing and delivering steel sheet piling for Dam No. 44, Ohio River. Further information on application.

PROPOSALS FOR STEEL HULL.—U. S. Engineer Office, Montgomery, Ala. Sealed proposals will be received here until 11 A. M., July 31, 1922, and then opened, for furnishing one steel hull for dipper dredge Upatoi. Further information on application.

U. S. ENGINEER OFFICE, Buffalo, N. Y. Sealed proposals will be received here until 11 a.m. (Eastern standard time), July 27, 1922, and then opened, for constructing rubble mound east breakwater extension at Fairport Harbor, O. Further infomation on application.

COMMISSIONERS, D. C., WASHINGTON, June 30, 1922. Sealed proposals will be received at Room 509 District Building, until 2 o'clock P.M., July 17, 1922, for the construction of additional incinerators to the Trash Plant, Mt. Olivet Road at Montello Avenue. For detailed information apply Room 427, District Building. Cuno H. Rudolph, James F. Oyster, Charles Keller, Commissioners, D. C.

COMMISSIONERS, D. C., WASHINGTON, June 30th, 1922. Sealed proposals will be received at Room 509 District Building until 2 o'clock P.M., July 12, 1922, for paving streets and avenues with sheet asphalt. For detailed information apply Room 427 District Building. Cuno H. Rudolph, James F. Oyster, Charles Keller, Commissioners, D. C.

PROPOSALS FOR LEVEE WORK—Office, Mississippi River Commission, 1st and 2nd Districts, Customhouse, Memphis, Tenn.—Sealed proposals will be received here until 11 a.m., July 20, 1922, and then opened, for constructing about 690,000 cubic yards of earthwork in the White River Levee District. Further information on application.

U. S. ENGINEER OFFICE, Room 710, Army Building, 39 Whitehall Street, New York, N. Y. Sealed proposals will be received here until 12 m., August 7, 1922 (daylight saving time), and then opened, for dredging and rock removal in Bronx River, N. Y. Further information on application.

UNITED STATES ENGINEER OFFICE, Baltimore, Md. Sealed proposals will be received here until 1 p.m., July 7, 1922, and then opened, for dredging Wicomico River, Maryland. Further information on application.

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